

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042751.D
 Acq On : 23 Jul 2025 11:16
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Jul 24 04:59:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	149832	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	440032	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	393493	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	307777	9.877	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2349	0.119	ppbv #	83
3) Chlorodifluoromethane	1.476	51	3169	0.123	ppbv	98
4) Chloromethane	1.531	50	1237	0.154	ppbv #	73
5) Vinyl Chloride	1.580	62	881	0.111	ppbv	90
6) Bromomethane	1.667	94	389	0.127	ppbv #	50
7) Chloroethane	1.706	64	416	0.136	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	1695	0.104	ppbv	84
9) Propene	1.483	41	1242	0.132	ppbv #	55
10) Heptane	4.968	43	1344	0.053	ppbv #	57
11) Trichlorofluoromethane	1.877	101	2338	0.114	ppbv	84
12) 1,1,2-Trichlorotrifluo...	2.140	101	1752	0.113	ppbv	92
13) Ethanol	1.887	45	1615	1.313	ppbv	91
14) Bromoethene	1.784	108	595	0.108	ppbv #	57
15) Acetone	1.835	43	4016	0.194	ppbv	95
16) 1,3-Butadiene	1.609	39	989	0.112	ppbv #	70
17) tert-Butyl alcohol	2.046	59	2295	0.123	ppbv #	88
18) 1,1-Dichloroethene	2.036	96	971	0.138	ppbv #	42
19) Isopropyl Alcohol	1.887	45	1615	0.147	ppbv #	64
20) Methylene Chloride	2.059	84	2205	0.338	ppbv	81
21) Allyl Chloride	2.098	41	1461	0.115	ppbv	96
22) trans-1,2-Dichloroethene	2.719	96	1513	0.201	ppbv	90
23) Vinyl Acetate	2.460	43	3646	0.145	ppbv #	61
24) 1,1-Dichloroethane	2.405	63	1764	0.114	ppbv	98
25) Ethyl Acetate	2.836	43	4897	0.107	ppbv #	97
26) Hexane	2.823	57	1422	0.071	ppbv #	1
27) Carbon Disulfide	2.149	76	2096	0.122	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	1156	0.122	ppbv #	25
29) Chloroform	2.848	83	3744	0.121	ppbv	95
30) Cyclohexane	3.852	84	975	0.057	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	2400	0.116	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	1958	0.061	ppbv #	30
34) 2-Butanone	2.564	43	3970	0.127	ppbv	97
35) Carbon Tetrachloride	3.761	117	2966	0.091	ppbv #	67
36) Benzene	3.651	78	2813	0.067	ppbv	99
37) 1,2-Dichloroethane	3.217	62	2624	0.104	ppbv #	83
38) Trichloroethene	4.538	130	1550	0.077	ppbv #	72
39) 1,2-Dichloropropane	3.955	63	111638	7.252	ppbv #	21
40) 1,4-Dioxane	4.603	88	247	0.034	ppbv #	1
41) Tetrahydrofuran	3.065	42	1337	0.085	ppbv #	87
42) Bromodichloromethane	4.476	83	1777	0.054	ppbv #	76
43) Methyl Methacrylate	4.871	69	447	0.030	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	2900	0.043	ppbv #	1
45) t-1,3-Dichloropropene	6.409	75	432	0.026	ppbv	96

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Quant Time: Jul 24 04:59:01 2025
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

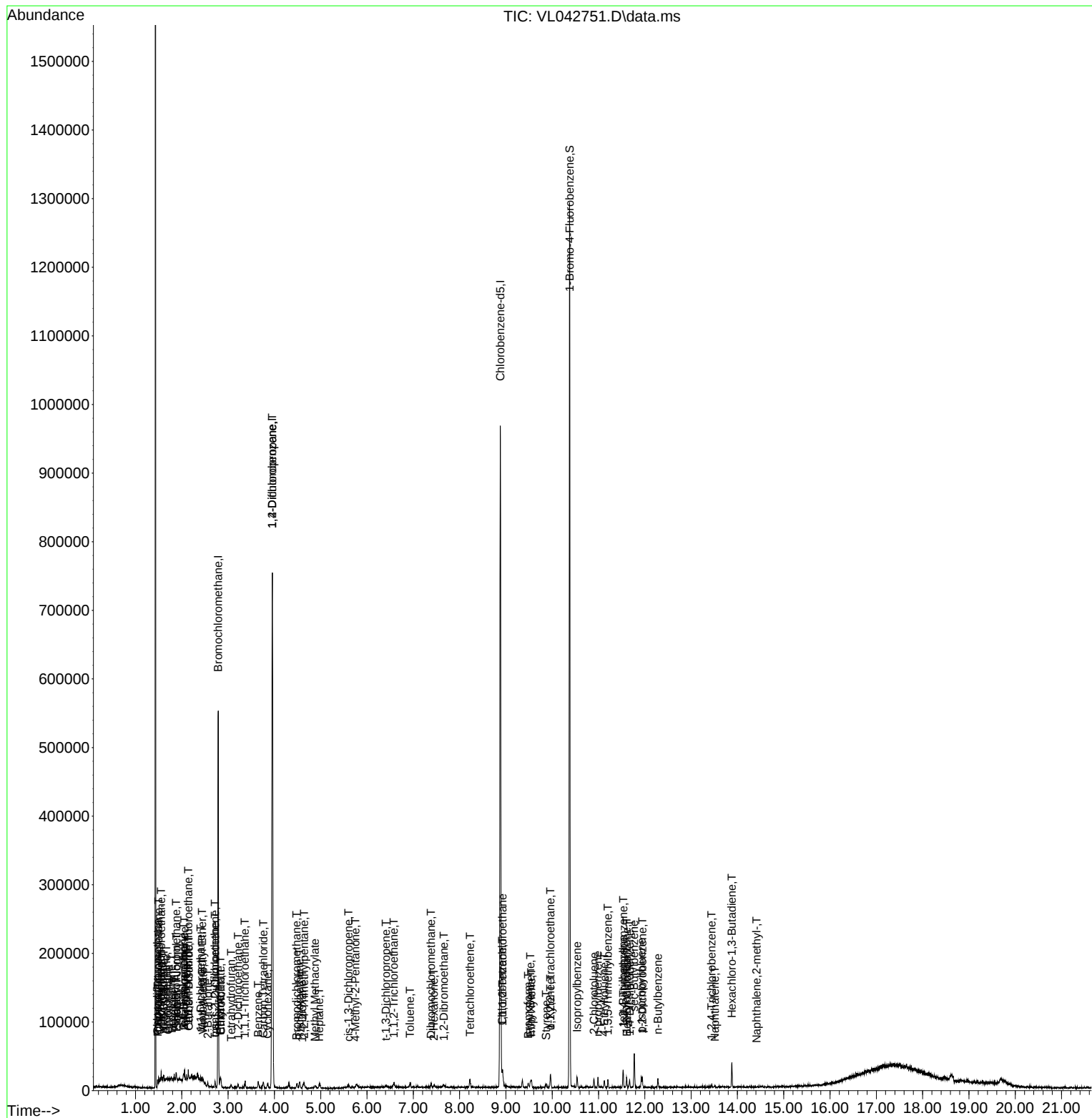
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.600	75	929	0.044	ppbv	#	58
47) 1,1,2-Trichloroethane	6.580	97	655	0.040	ppbv	#	23
48) Dibromochloromethane	7.383	129	2502	0.096	ppbv		99
49) Bromoform	9.480	173	1576	0.069	ppbv	#	78
50) 4-Methyl-2-Pentanone	5.748	43	279	0.007	ppbv	#	40
51) 2-Hexanone	7.441	43	877	0.029	ppbv	#	30
52) Tetrachloroethene	8.225	164	1077	0.062	ppbv	#	63
53) Toluene	6.930	91	1914	0.043	ppbv	#	21
54) 1,2-Dibromoethane	7.661	107	1015	0.044	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.927	131	1122	0.055	ppbv	#	1
57) Chlorobenzene	8.920	112	4435	0.116	ppbv	#	89
58) Ethyl Benzene	9.529	91	2747	0.044	ppbv		97
59) m/p-Xylene	9.548	91	4143	0.083	ppbv	#	30
60) o-Xylene	9.963	91	4107	0.083	ppbv		97
61) Styrene	9.869	104	1655	0.079	ppbv	#	88
62) Isopropylbenzene	10.535	105	5918	0.081	ppbv		95
63) 1,1,2,2-Tetrachloroethane	9.959	83	2147	0.066	ppbv	#	52
64) n-propylbenzene	10.982	120	896	0.047	ppbv		82
65) tert-Butylbenzene	11.532	119	4989	0.077	ppbv		92
66) Benzyl Chloride	11.613	91	104	0.019	ppbv	#	64
67) sec-Butylbenzene	11.769	105	7187	0.078	ppbv		99
69) p-Isopropyltoluene	11.927	119	5054	0.067	ppbv		94
70) n-Butylbenzene	12.280	91	4500	0.062	ppbv		96
71) 2-Chlorotoluene	10.901	91	3597	0.064	ppbv		75
72) 4-Ethyltoluene	11.125	105	4474	0.075	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	3563	0.073	ppbv	#	62
74) 1,2,4-Trimethylbenzene	11.536	105	3383	0.064	ppbv	#	73
75) 1,3-Dichlorobenzene	11.607	146	2743	0.073	ppbv		85
76) 1,4-Dichlorobenzene	11.675	146	2682	0.073	ppbv		97
77) 1,2-Dichlorobenzene	11.950	146	3250	0.089	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	2330	0.070	ppbv	#	51
79) Naphthalene	13.510	128	872	0.448	ppbv	#	90
80) Naphthalene,2-methyl-	14.413	142	28	1.127	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.442	180	564	0.450	ppbv	#	36

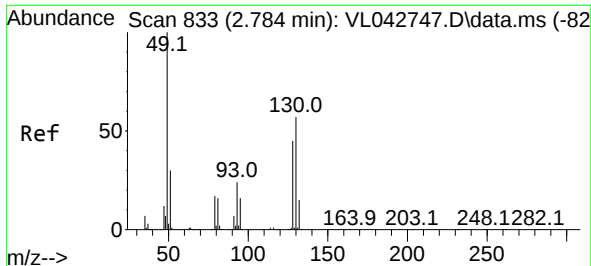
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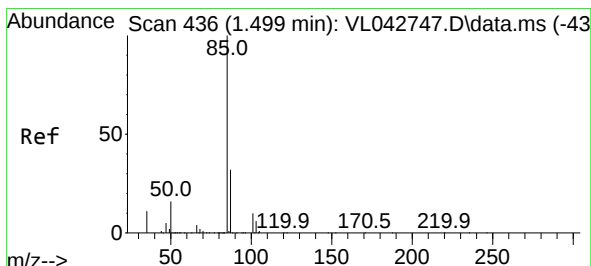
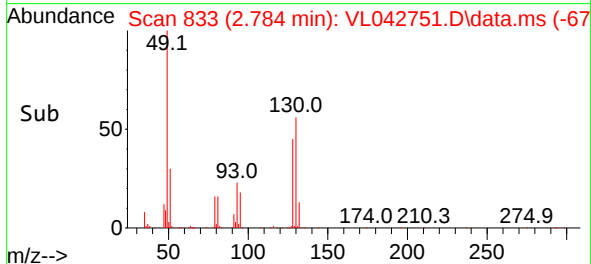
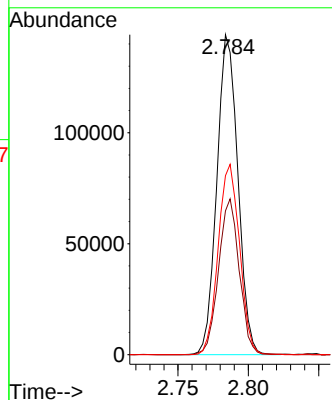
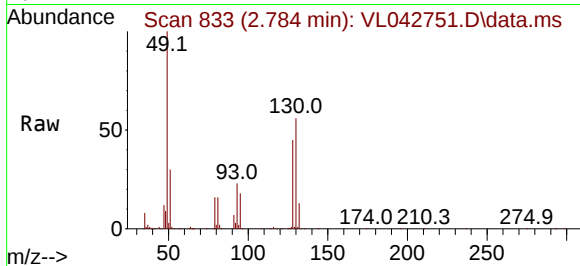




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

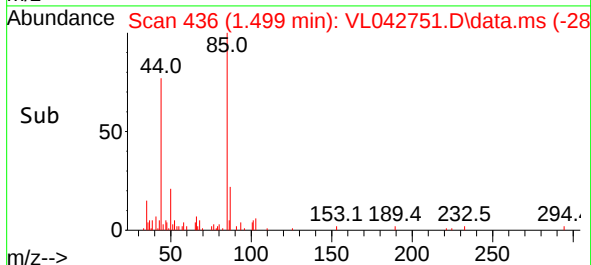
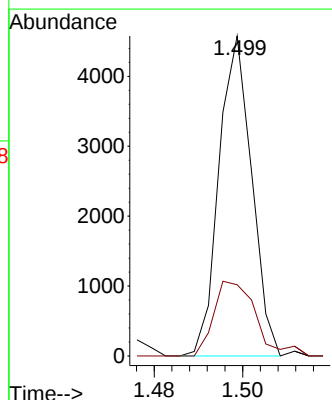
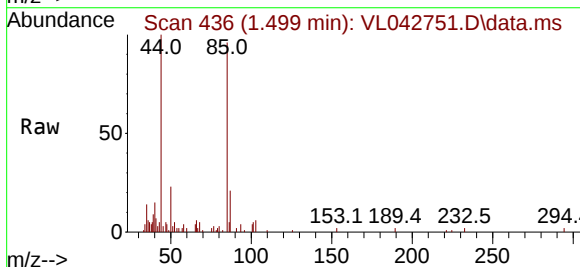
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 149832
Ion Ratio Lower Upper
49 100
128 48.0 23.6 71.0
130 60.6 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 0.119 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 85 Resp: 2349
Ion Ratio Lower Upper
85 100
87 22.3 25.4 38.2#

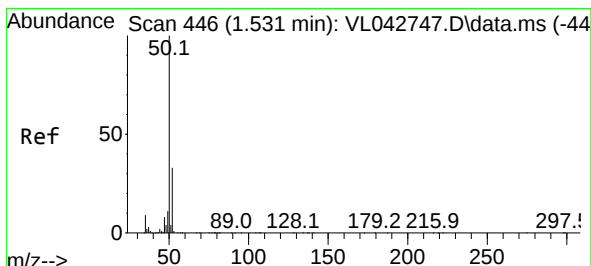
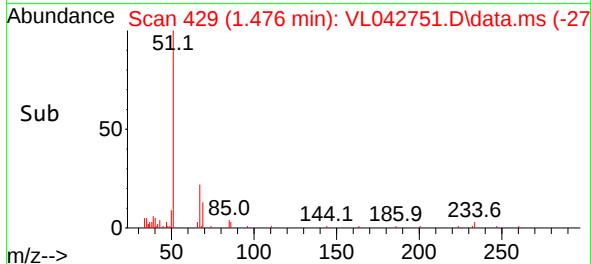
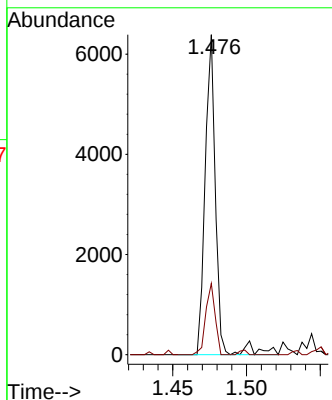
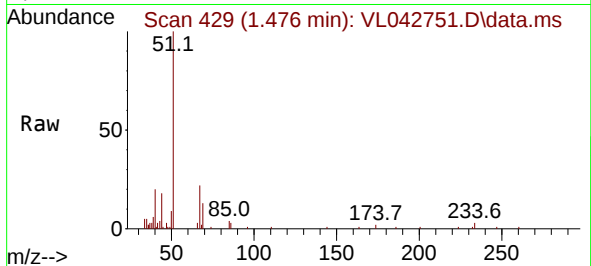




#3
Chlorodifluoromethane
Concen: 0.123 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

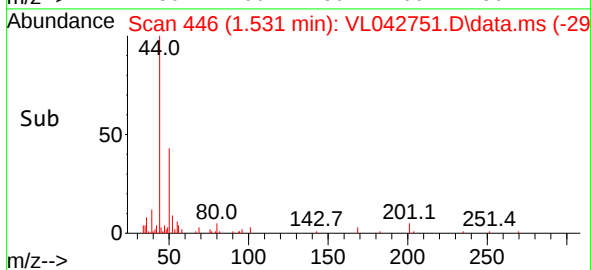
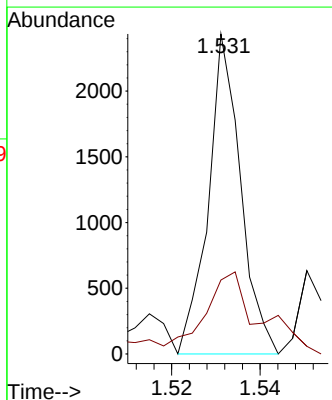
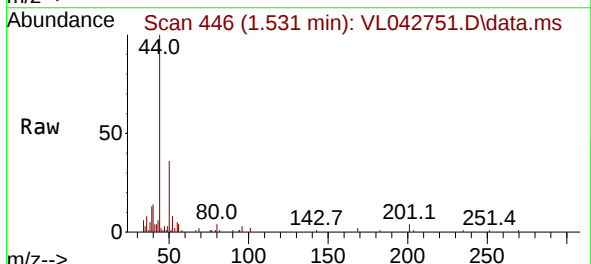
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

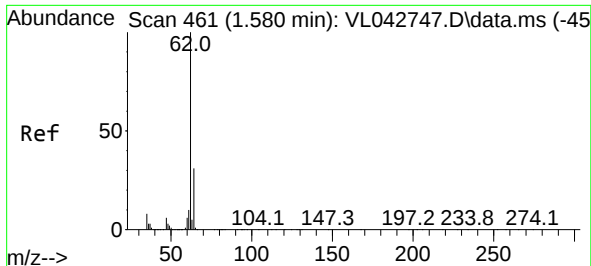
Tgt Ion: 51 Resp: 3169
Ion Ratio Lower Upper
51 100
67 19.7 15.0 22.6



#4
Chloromethane
Concen: 0.154 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 50 Resp: 1237
Ion Ratio Lower Upper
50 100
52 17.8 26.6 40.0#

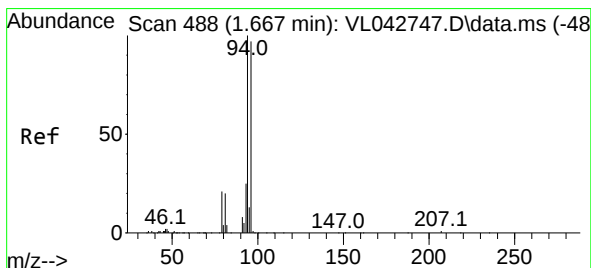
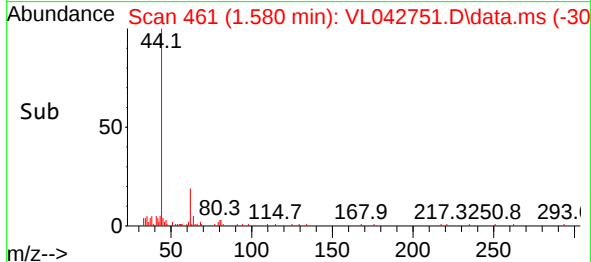
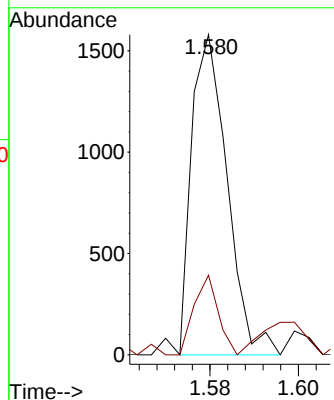
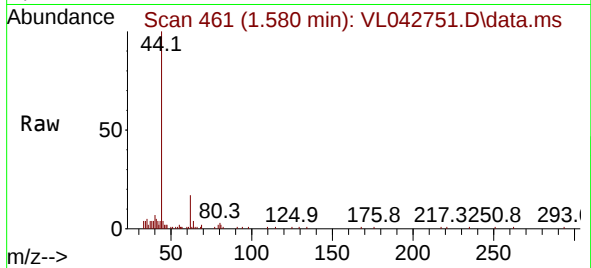




#5
 Vinyl Chloride
 Concen: 0.111 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

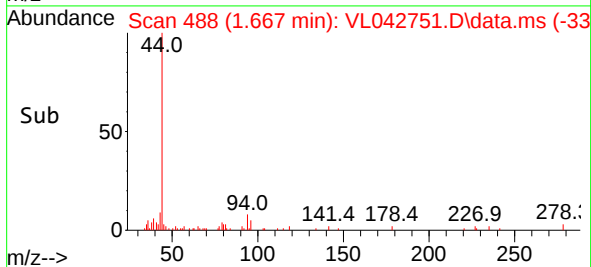
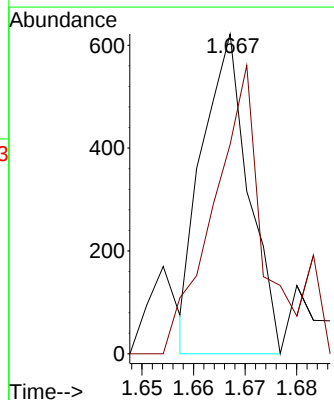
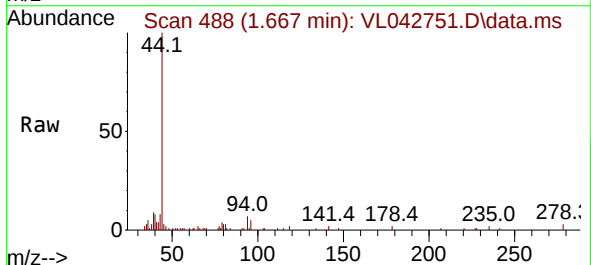
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

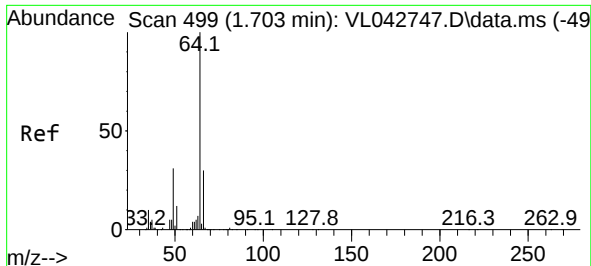
Tgt Ion: 62 Resp: 881
 Ion Ratio Lower Upper
 62 100
 64 24.9 24.5 36.7



#6
 Bromomethane
 Concen: 0.127 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

Tgt Ion: 94 Resp: 389
 Ion Ratio Lower Upper
 94 100
 96 47.9 77.6 116.4#

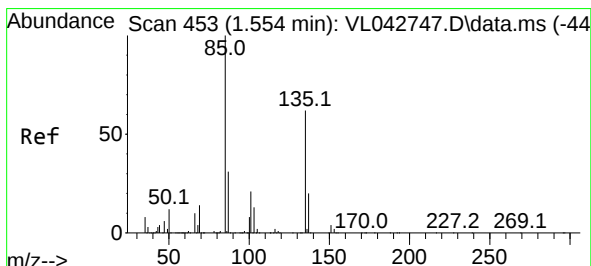
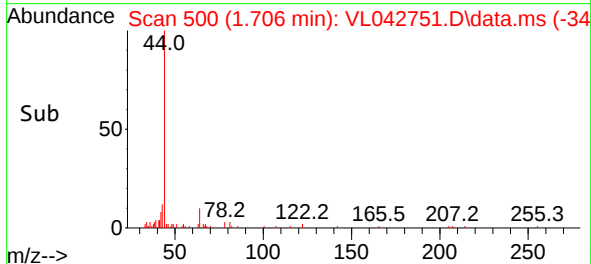
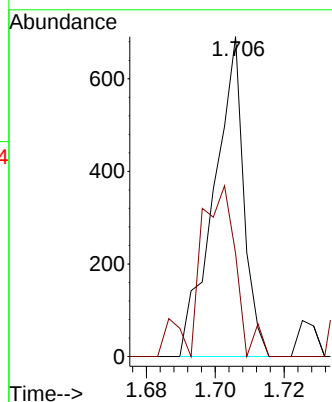
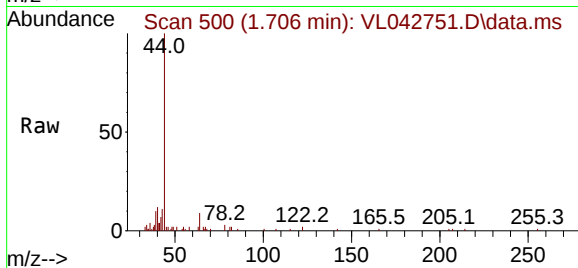




#7
Chloroethane
Concen: 0.136 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

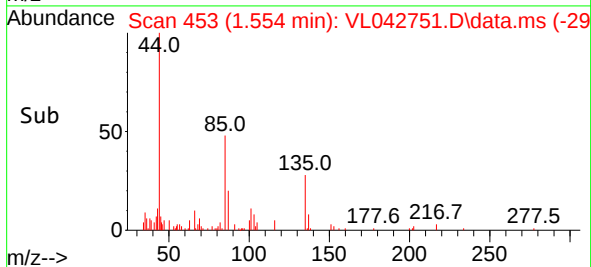
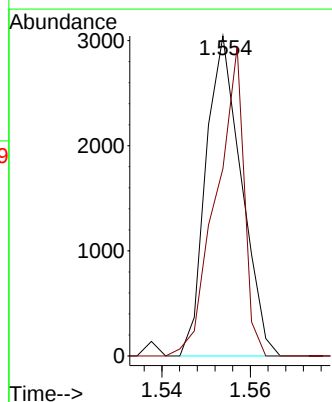
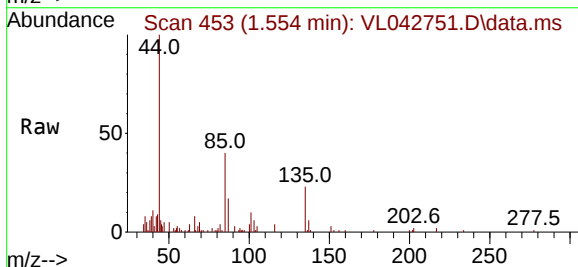
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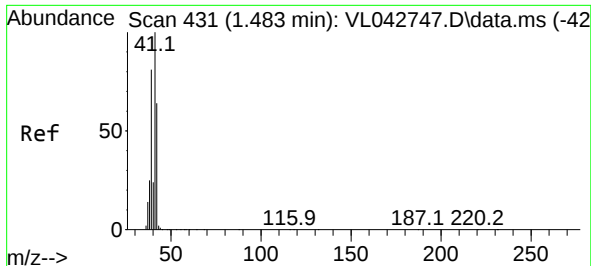
Tgt Ion: 64 Resp: 416
Ion Ratio Lower Upper
64 100
66 32.3 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 85 Resp: 1695
Ion Ratio Lower Upper
85 100
135 75.6 50.6 76.0





#9

Propene

Concen: 0.132 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

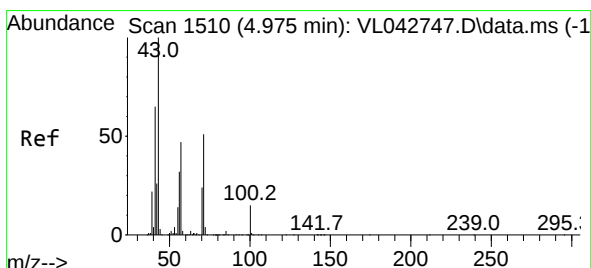
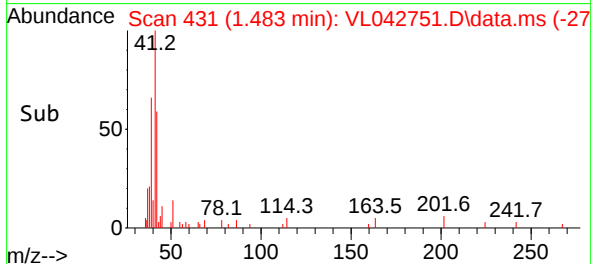
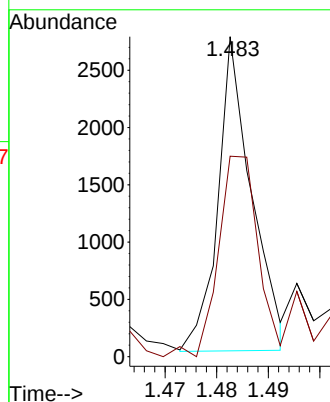
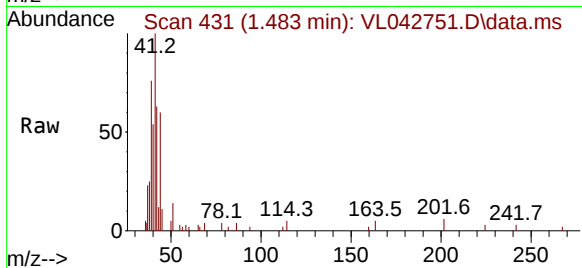
VSTDIC0.1

Tgt Ion: 41 Resp: 1242

Ion Ratio Lower Upper

41 100

42 102.7 53.2 79.8#



#10

Heptane

Concen: 0.053 ppbv

RT: 4.968 min Scan# 1508

Delta R.T. -0.007 min

Lab File: VL042751.D

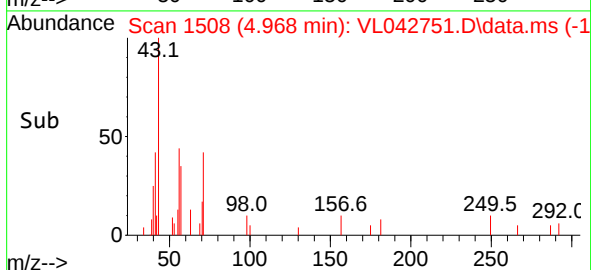
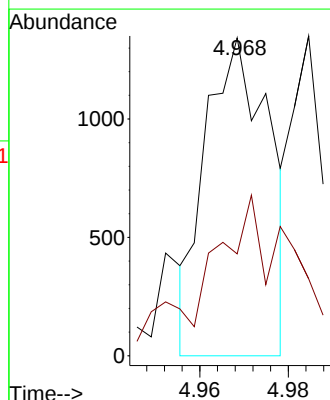
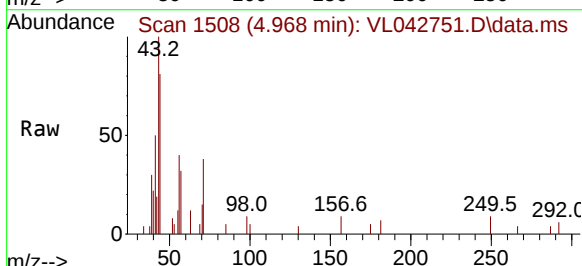
Acq: 23 Jul 2025 11:16

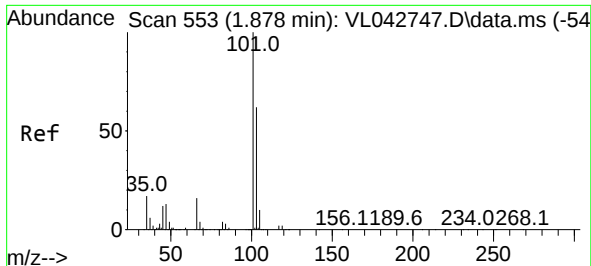
Tgt Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

57 79.4 39.9 59.9#

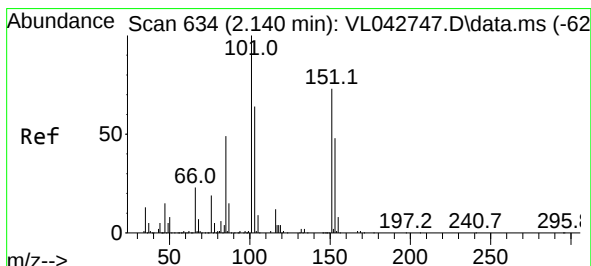
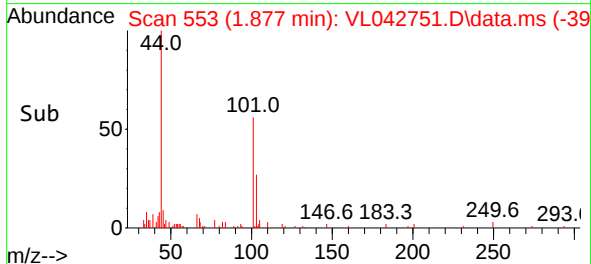
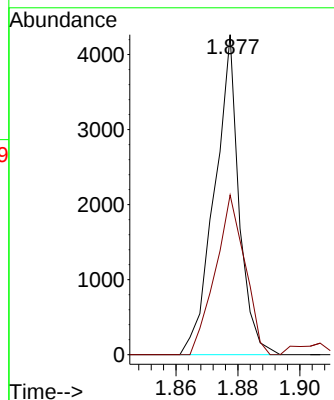
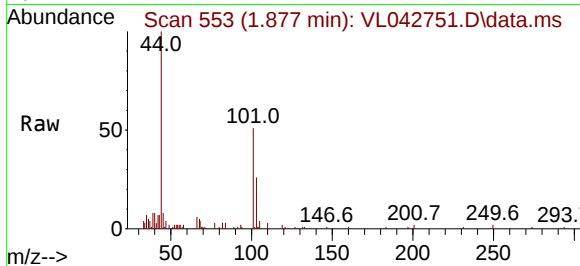




#11
 Trichlorofluoromethane
 Concen: 0.114 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

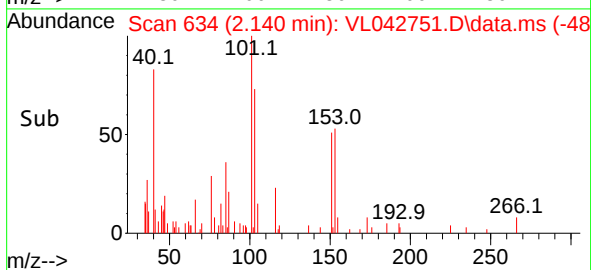
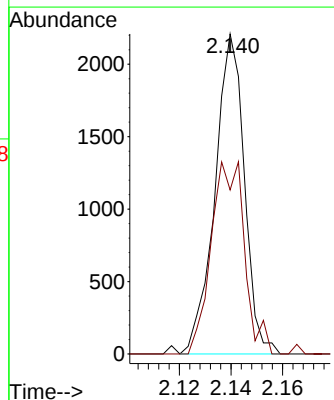
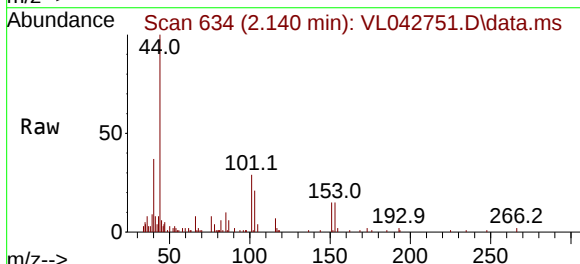
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:101 Resp: 2338
 Ion Ratio Lower Upper
 101 100
 103 49.9 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.113 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

Tgt Ion:101 Resp: 1752
 Ion Ratio Lower Upper
 101 100
 151 68.4 60.5 90.7

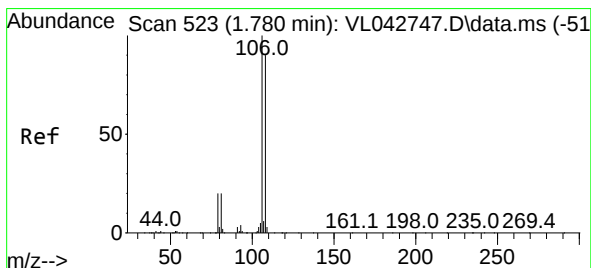
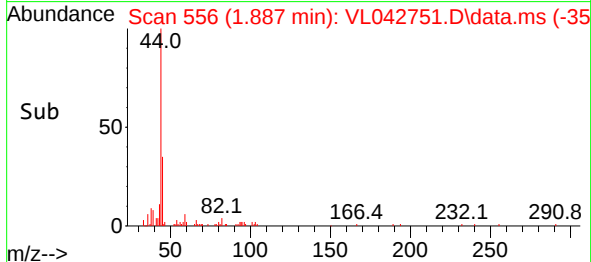
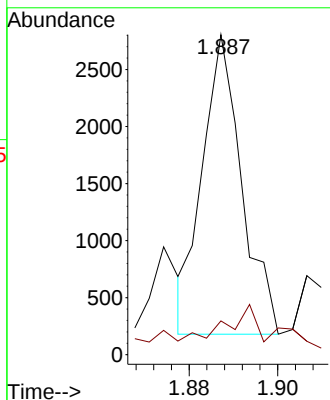
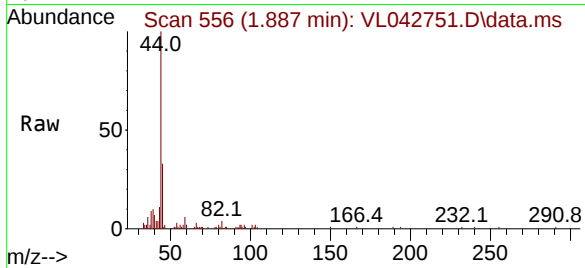




#13
Ethanol
Concen: 1.313 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.168 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

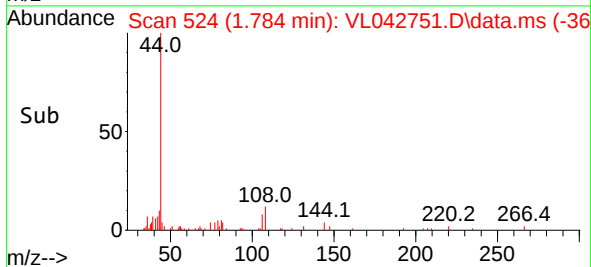
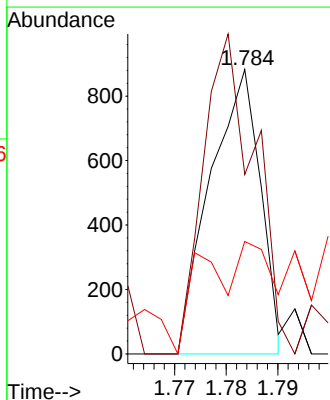
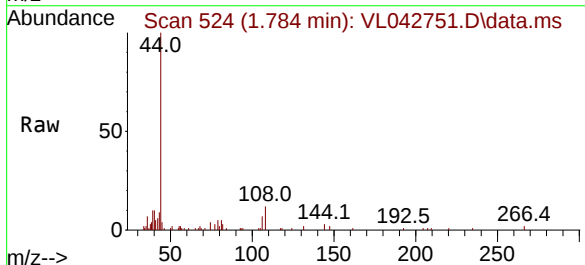
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

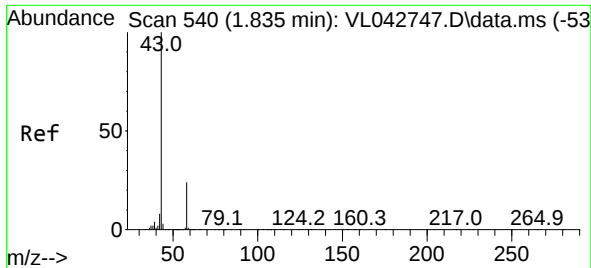
Tgt Ion: 45 Resp: 1615
Ion Ratio Lower Upper
45 100
46 50.4 17.8 71.4



#14
Bromoethene
Concen: 0.108 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 108 Resp: 595
Ion Ratio Lower Upper
108 100
106 150.3 84.7 127.1#
79 0.0 17.4 26.2#

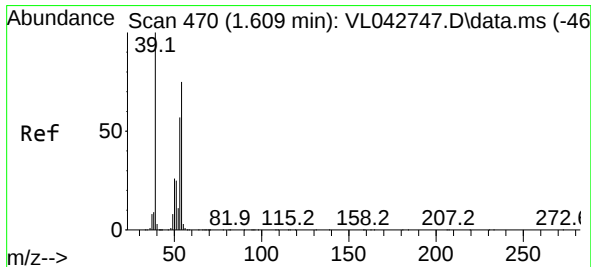
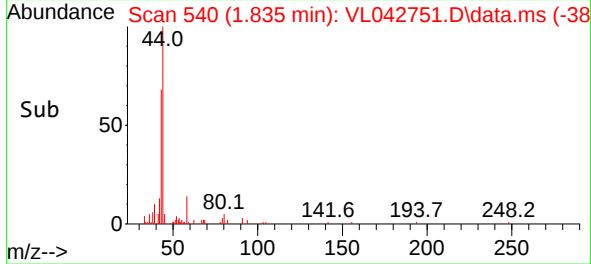
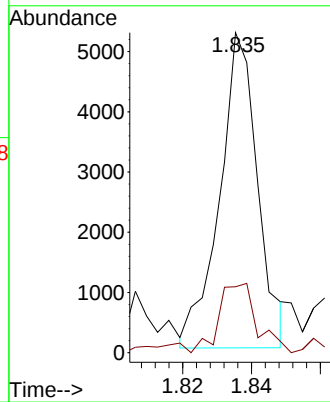
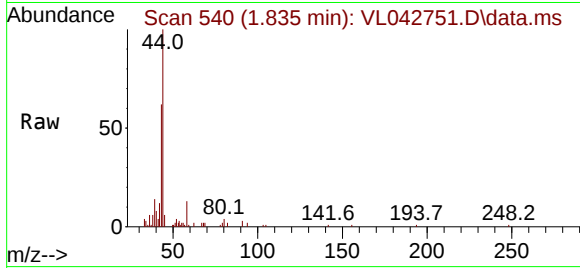




#15
Acetone
Concen: 0.194 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

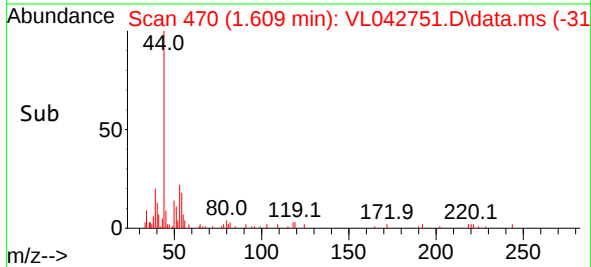
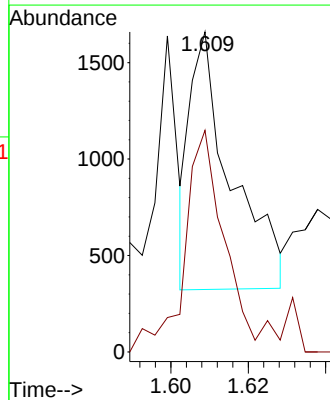
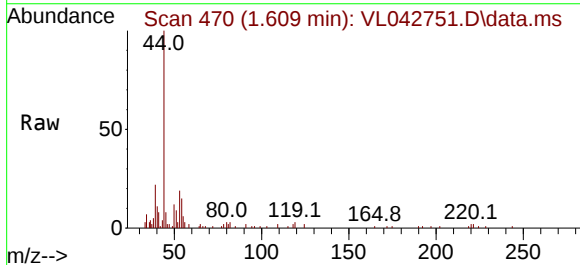
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

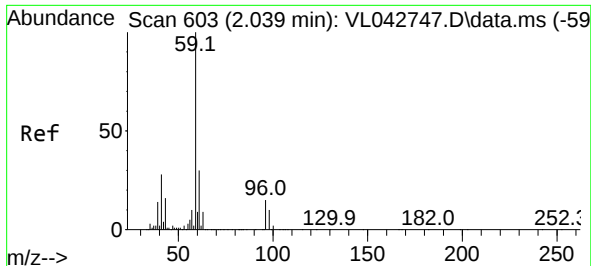
Tgt Ion: 43 Resp: 4016
Ion Ratio Lower Upper
43 100
58 27.2 19.8 29.8



#16
1,3-Butadiene
Concen: 0.112 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 39 Resp: 989
Ion Ratio Lower Upper
39 100
54 92.5 54.5 81.7#





#17

tert-Butyl alcohol

Concen: 0.123 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.006 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

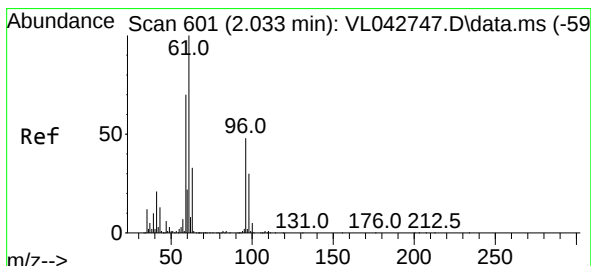
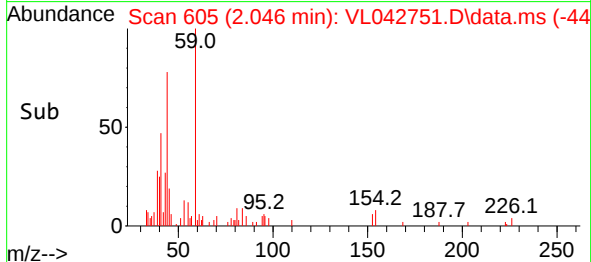
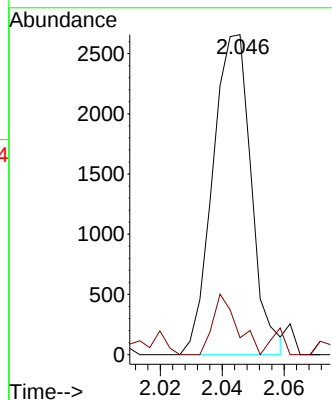
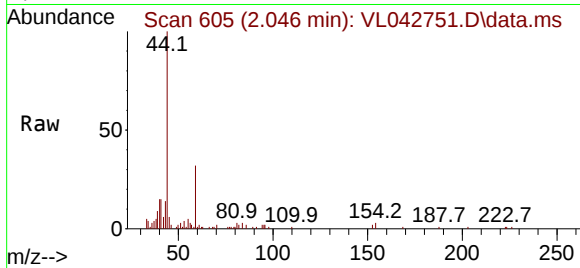
VSTDIC0.1

Tgt Ion: 59 Resp: 2295

Ion Ratio Lower Upper

59 100

57 14.7 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.138 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

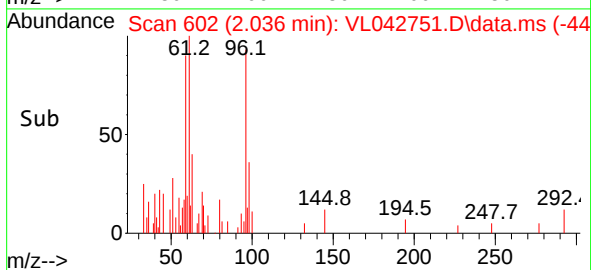
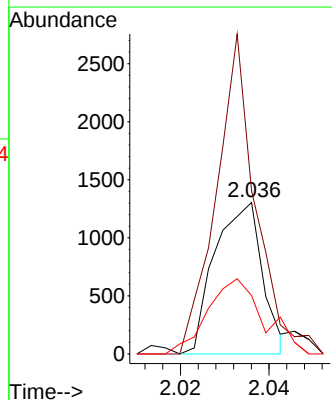
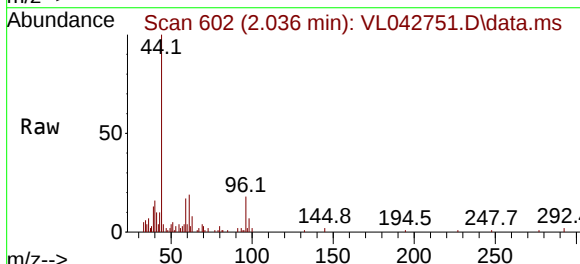
Tgt Ion: 96 Resp: 971

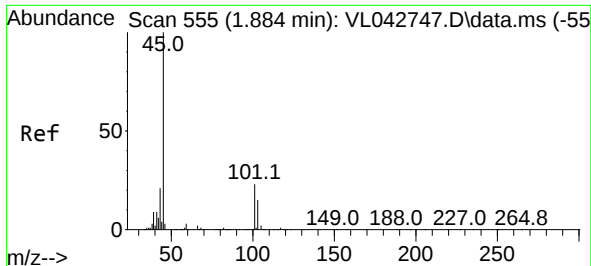
Ion Ratio Lower Upper

96 100

61 107.7 165.8 248.6#

98 32.0 49.9 74.9#





#19

Isopropyl Alcohol

Concen: 0.147 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

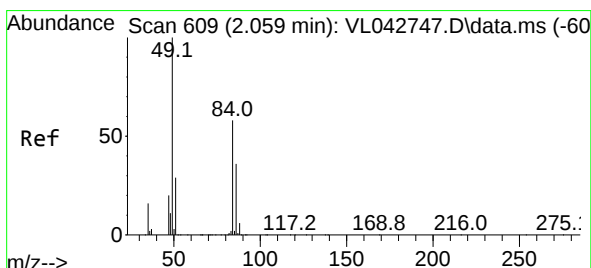
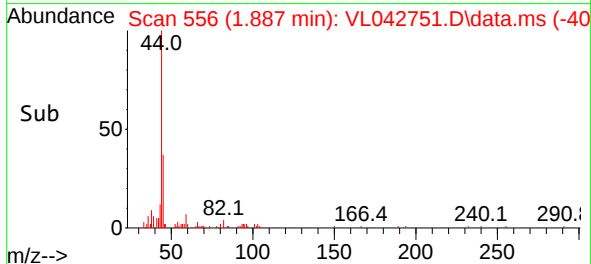
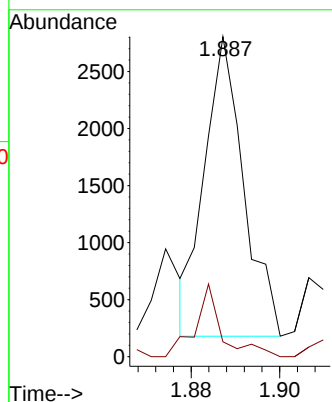
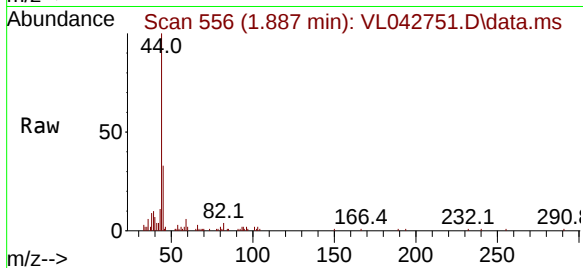
VSTDIC0.1

Tgt Ion: 45 Resp: 1615

Ion Ratio Lower Upper

45 100

58 16.2 30.0 45.0#



#20

Methylene Chloride

Concen: 0.338 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Tgt Ion: 84 Resp: 2205

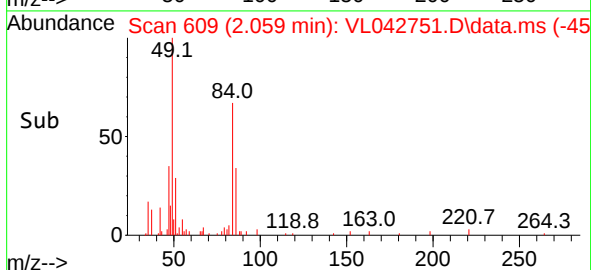
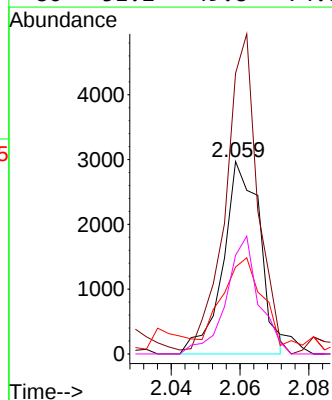
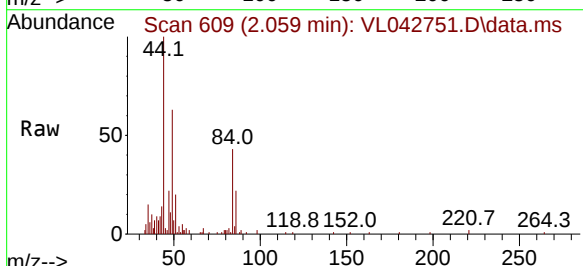
Ion Ratio Lower Upper

84 100

49 143.6 138.6 208.0

51 40.7 40.6 61.0

86 51.2 49.8 74.8

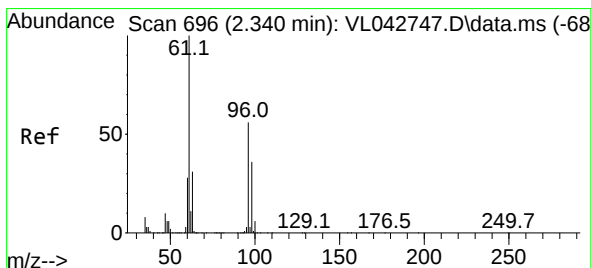
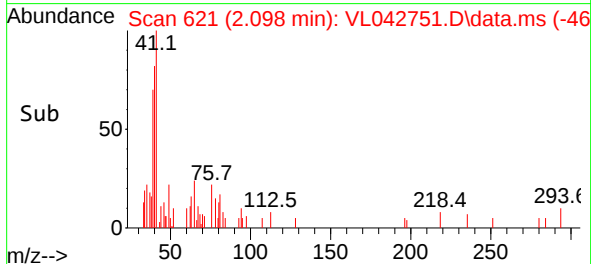
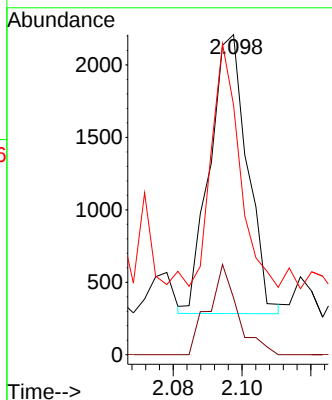
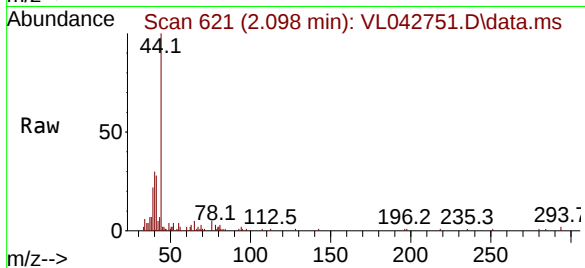




#21
 Allyl Chloride
 Concen: 0.115 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

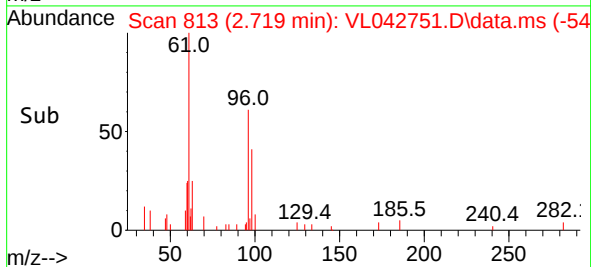
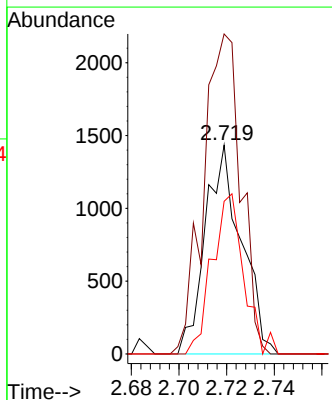
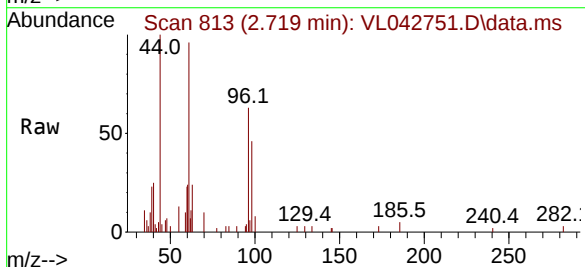
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

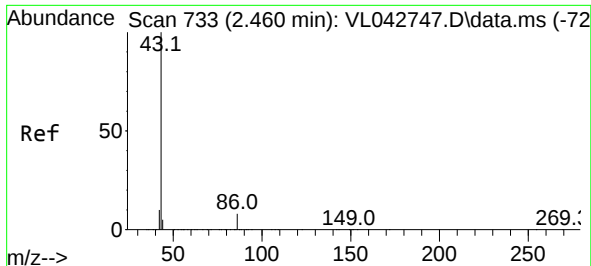
Tgt Ion: 41 Resp: 1461
 Ion Ratio Lower Upper
 41 100
 76 25.3 21.1 31.7
 39 81.3 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 0.201 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.379 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

Tgt Ion: 96 Resp: 1513
 Ion Ratio Lower Upper
 96 100
 61 164.3 142.3 213.5
 98 73.1 50.6 76.0

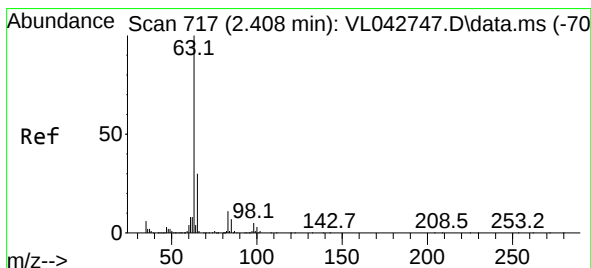
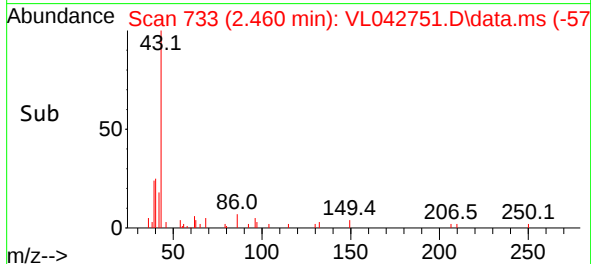
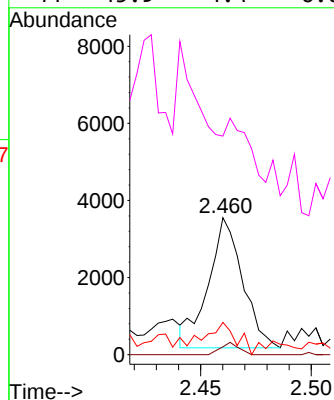
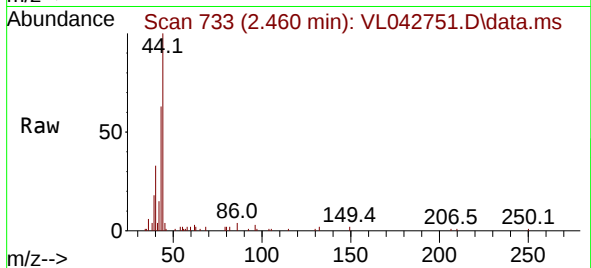




#23
 Vinyl Acetate
 Concen: 0.145 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

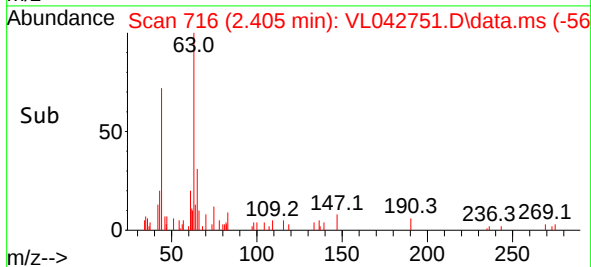
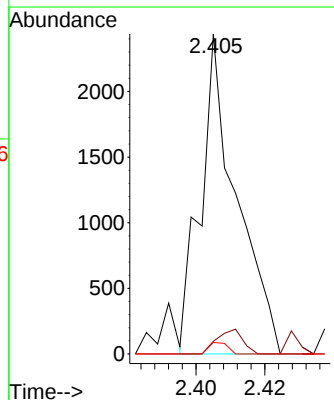
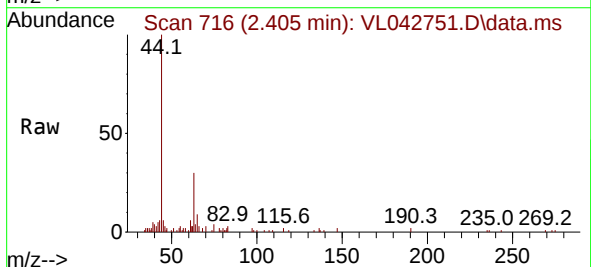
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

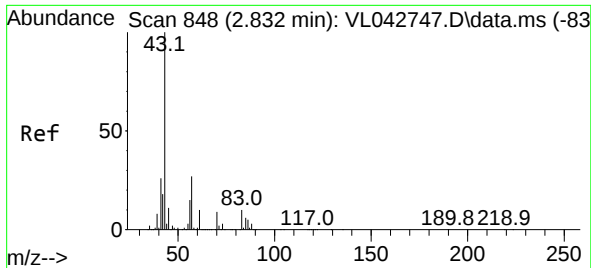
Tgt Ion: 43	Resp: 3646
Ion Ratio	Lower Upper
43 100	
86 6.0	6.1 9.1#
42 16.8	7.8 11.8#
44 45.9	4.4 6.6#



#24
 1,1-Dichloroethane
 Concen: 0.114 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

Tgt Ion: 63	Resp:	1764	
Ion Ratio	Lower	Upper	
63 100			
98 4.0	2.5	7.4	
100 3.6	1.6	4.8	

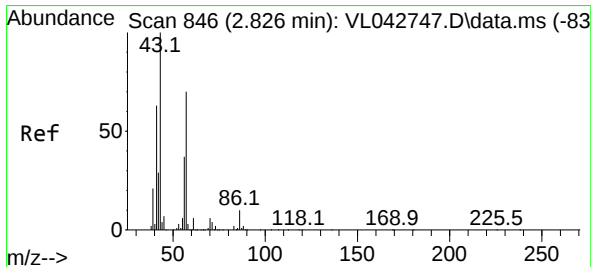
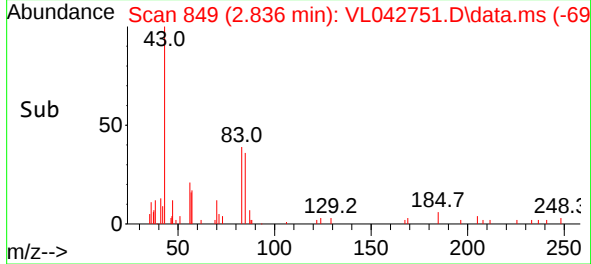
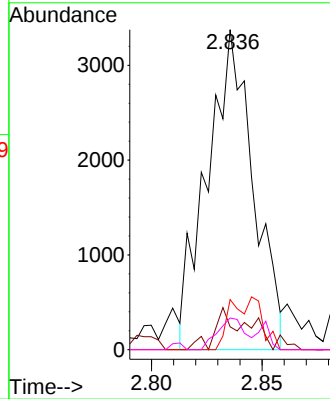
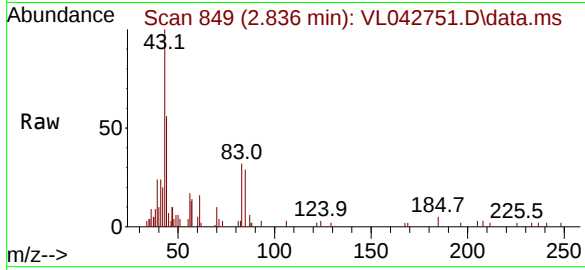




#25
Ethyl Acetate
Concen: 0.107 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

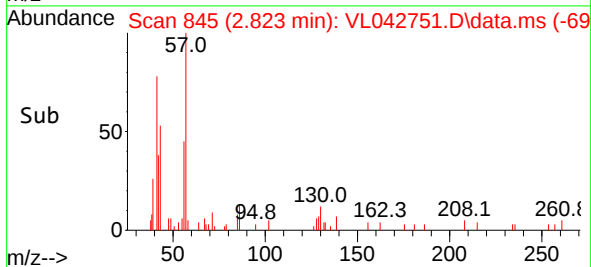
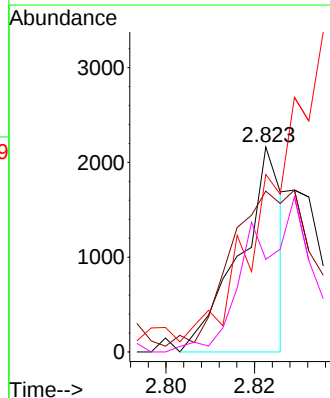
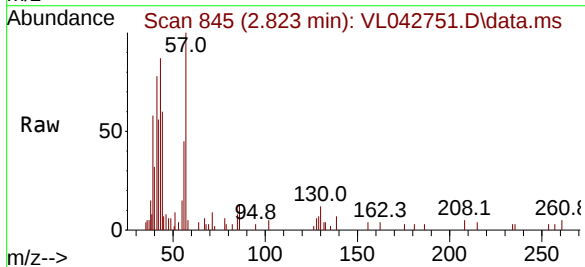
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

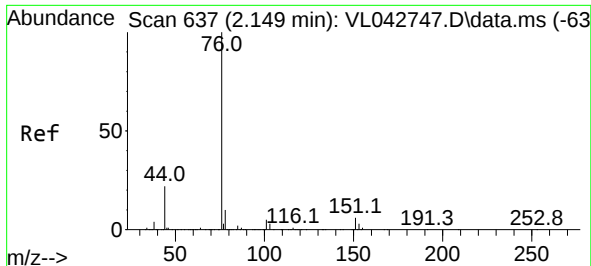
Tgt Ion:	43	Resp:	4897
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	11.3	6.7	10.1#
70	8.5	6.6	10.0



#26
Hexane
Concen: 0.071 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:	57	Resp:	1422
Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.4	113.2#
43	0.0	185.0	277.6#
56	0.0	42.9	64.3#

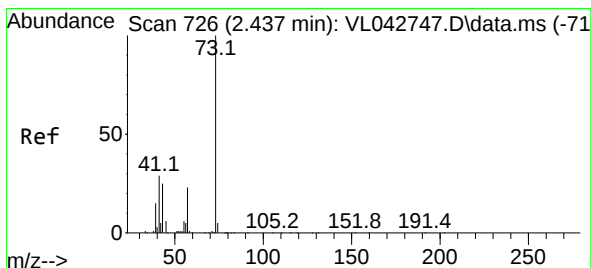
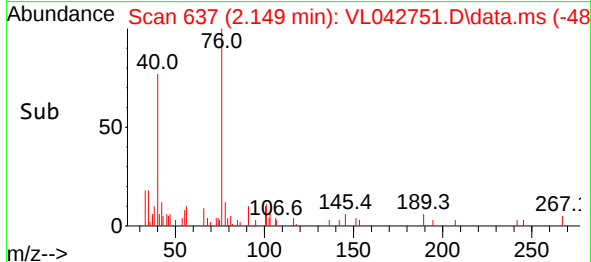
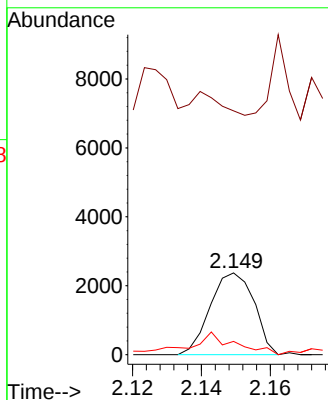
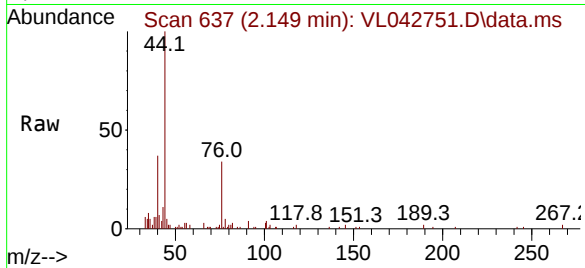




#27
Carbon Disulfide
Concen: 0.122 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

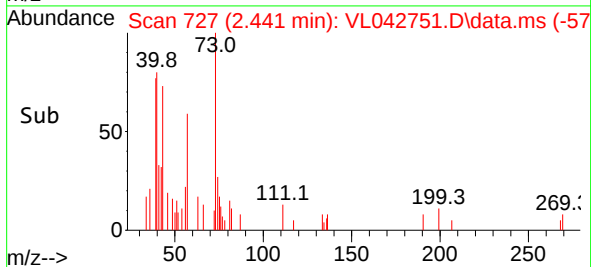
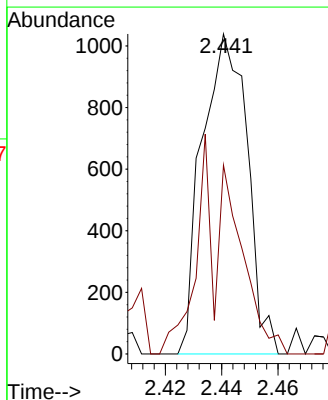
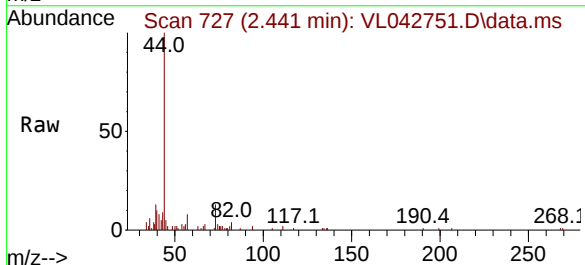
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

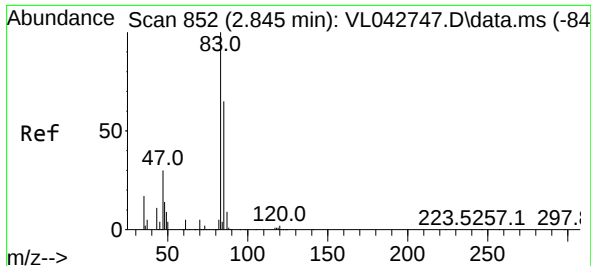
Tgt Ion: 76 Resp: 2096
Ion Ratio Lower Upper
76 100
44 442.6 19.3 28.9#
78 32.3 9.9 14.9#



#28
Methyl tert-Butyl Ether
Concen: 0.122 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 73 Resp: 1156
Ion Ratio Lower Upper
73 100
57 62.5 19.8 29.8#





#29

Chloroform

Concen: 0.121 ppbv

RT: 2.848 min Scan# 852

Delta R.T. 0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

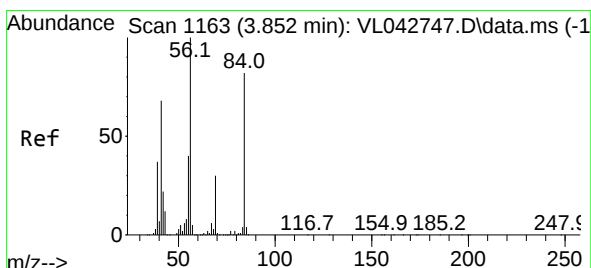
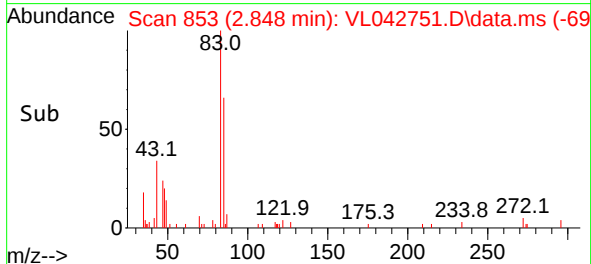
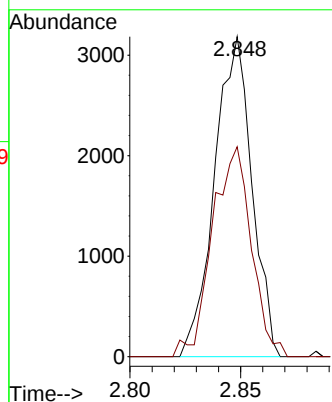
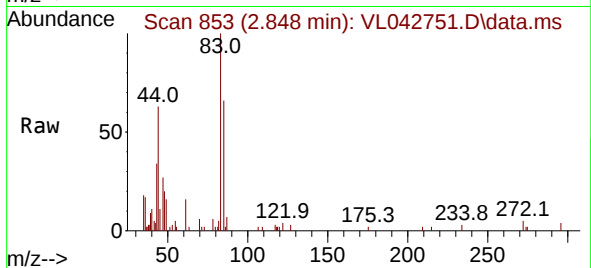
VSTDIC0.1

Tgt Ion: 83 Resp: 3744

Ion Ratio Lower Upper

83 100

85 61.2 52.2 78.2



#30

Cyclohexane

Concen: 0.057 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

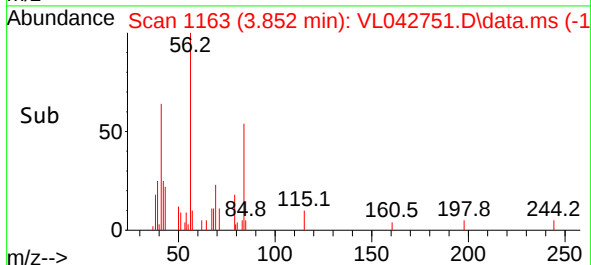
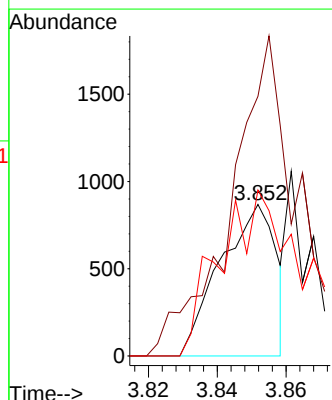
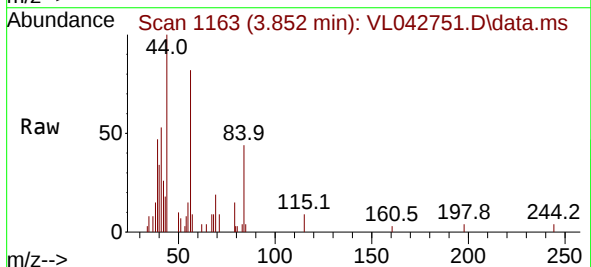
Tgt Ion: 84 Resp: 975

Ion Ratio Lower Upper

84 100

56 248.3 97.5 146.3#

41 169.7 67.2 100.8#

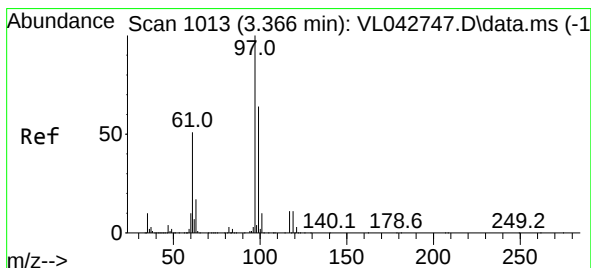
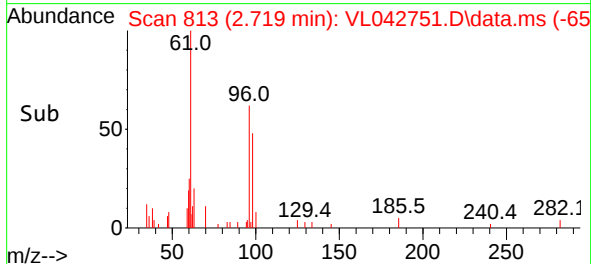
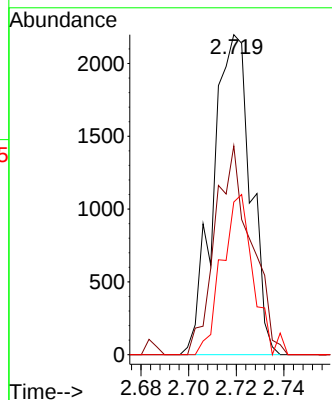
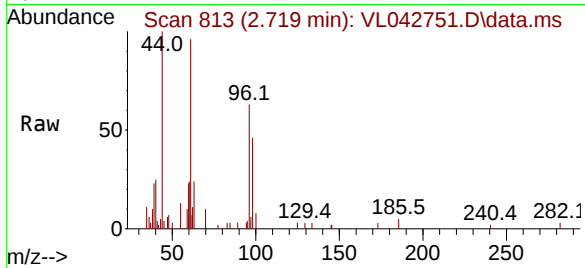




#31
 cis-1,2-Dichloroethene
 Concen: 0.116 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

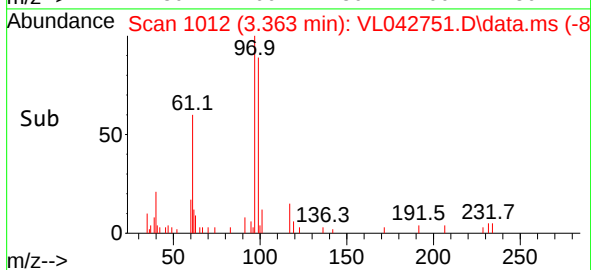
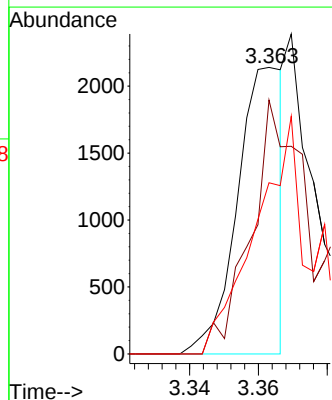
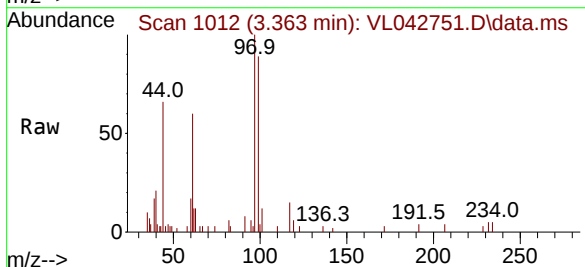
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

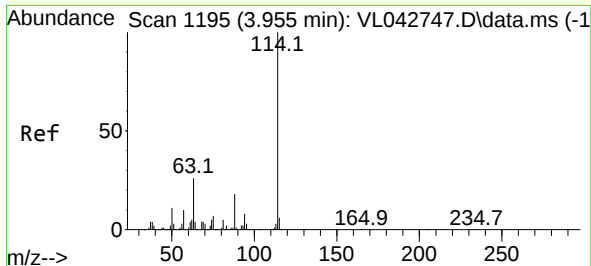
Tgt Ion: 61	Resp: 2400
Ion Ratio	Lower Upper
61 100	
96 60.9	53.5 80.3
98 44.5	33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 0.061 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

Tgt Ion: 97	Resp:	1958	
Ion	Ratio	Lower	Upper
97	100		
99	116.9	51.0	76.6#
61	0.0	40.9	61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

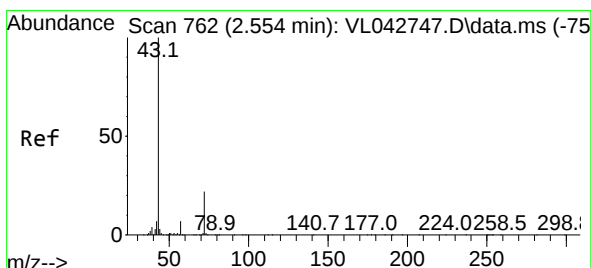
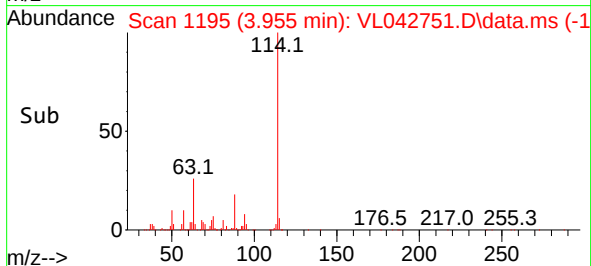
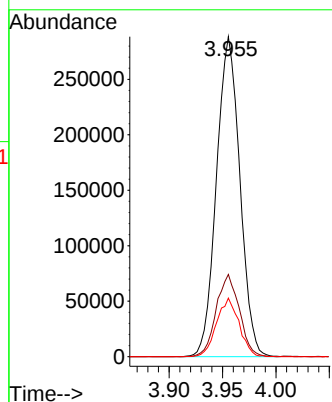
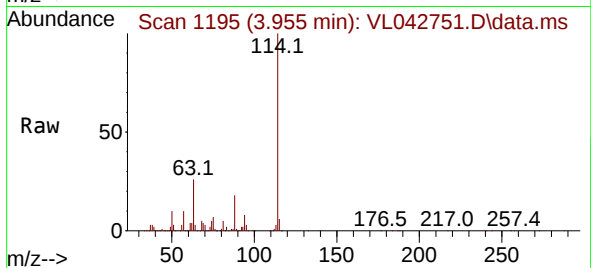
Tgt Ion:114 Resp: 440032

Ion Ratio Lower Upper

114 100

63 25.4 20.5 30.7

88 17.6 14.0 21.0



#34

2-Butanone

Concen: 0.127 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL042751.D

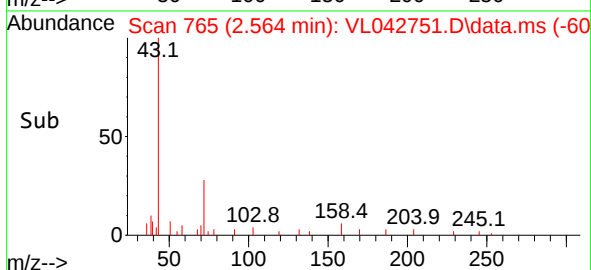
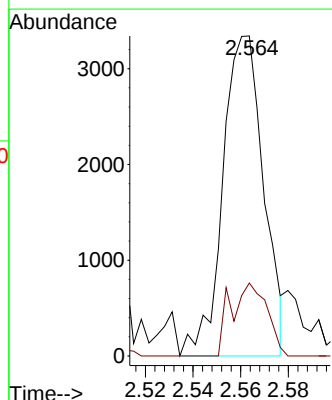
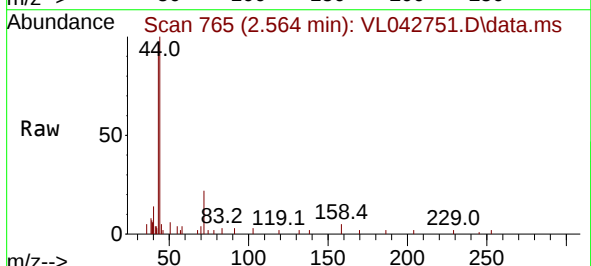
Acq: 23 Jul 2025 11:16

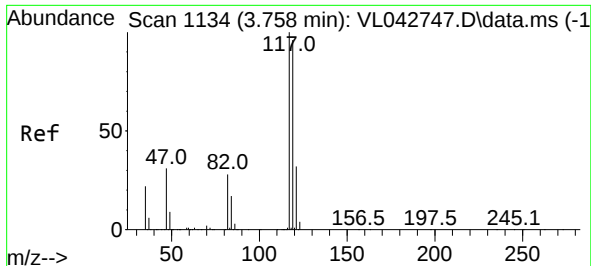
Tgt Ion: 43 Resp: 3970

Ion Ratio Lower Upper

43 100

72 20.3 17.4 26.0

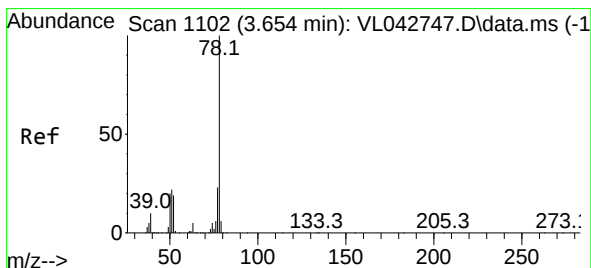
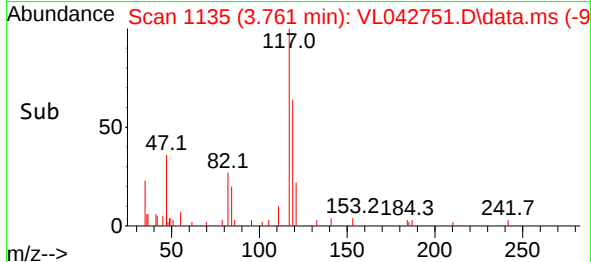
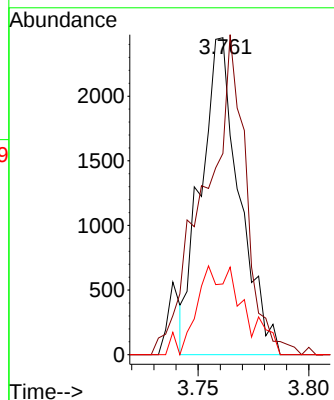
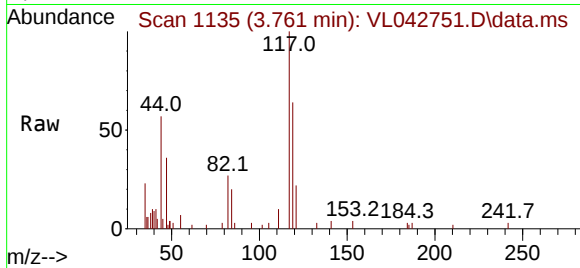




#35
Carbon Tetrachloride
Concen: 0.091 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

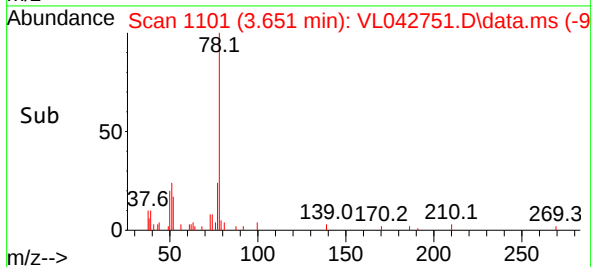
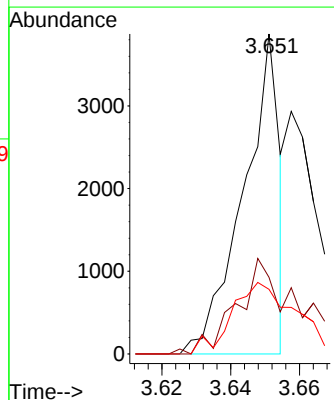
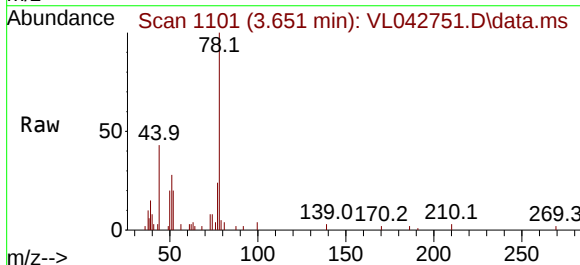
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

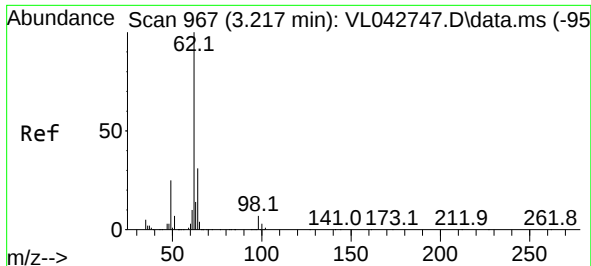
Tgt Ion:117 Resp: 2966
Ion Ratio Lower Upper
117 100
119 59.4 77.1 115.7#
121 22.3 25.5 38.3#



#36
Benzene
Concen: 0.067 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 78 Resp: 2813
Ion Ratio Lower Upper
78 100
77 22.4 18.5 27.7
50 20.2 16.2 24.2





#37

1,2-Dichloroethane

Concen: 0.104 ppbv

RT: 3.217 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

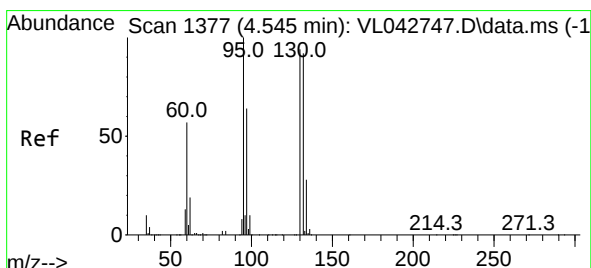
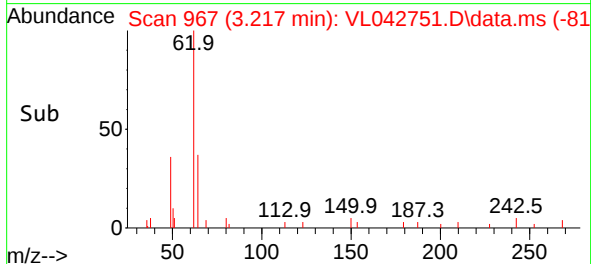
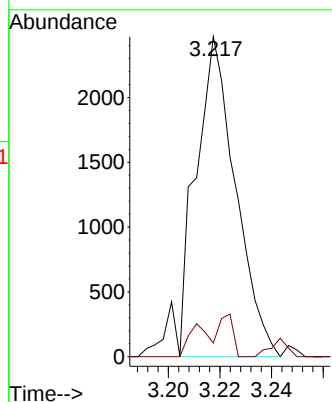
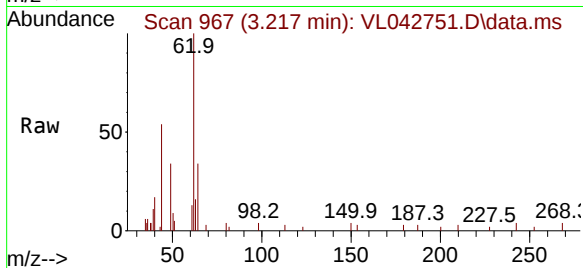
VSTDIC0.1

Tgt Ion: 62 Resp: 2624

Ion Ratio Lower Upper

62 100

98 12.3 5.2 7.8#



#38

Trichloroethene

Concen: 0.077 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Tgt Ion:130 Resp: 1550

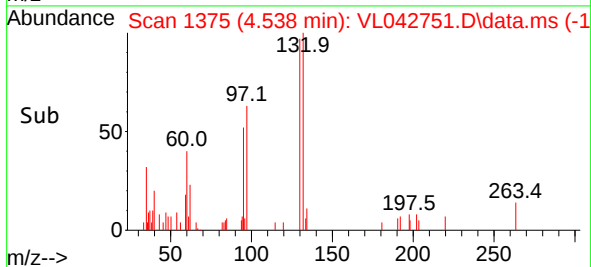
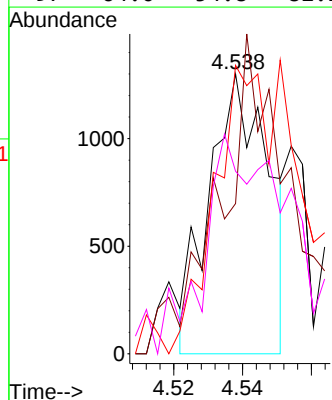
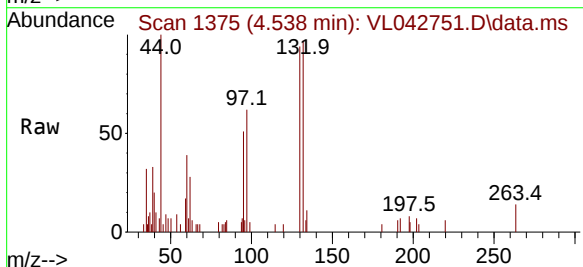
Ion Ratio Lower Upper

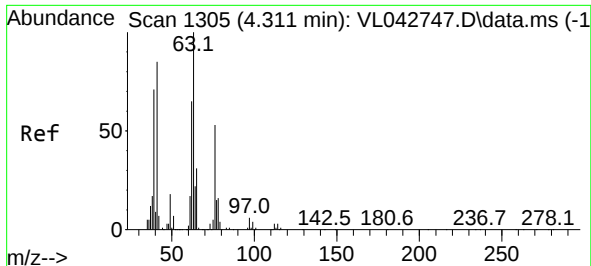
130 100

95 52.4 85.4 128.2#

132 113.3 78.2 117.2

97 64.0 54.8 82.2





#39

1,2-Dichloropropane

Concen: 7.252 ppbv

RT: 3.955 min Scan# 1116

Delta R.T. -0.356 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

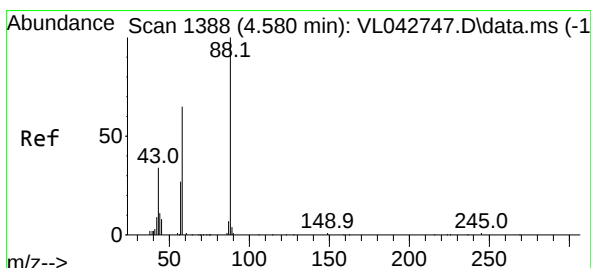
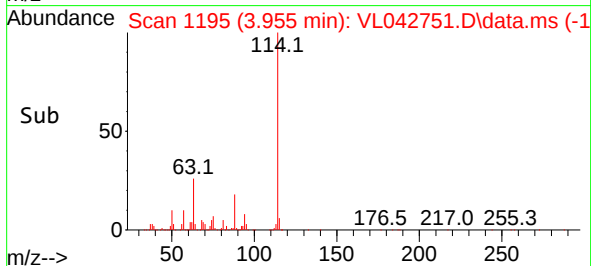
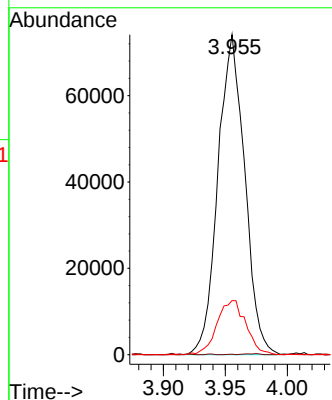
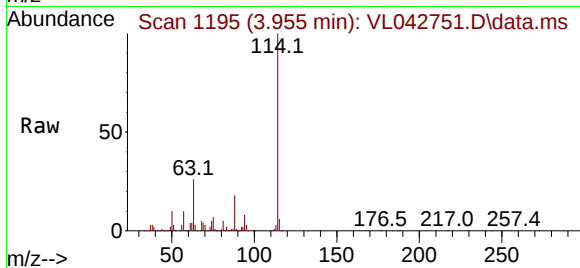
Tgt Ion: 63 Resp: 111638

Ion Ratio Lower Upper

63 100

41 0.0 68.2 102.4#

62 16.9 52.0 78.0#



#40

1,4-Dioxane

Concen: 0.034 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.023 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Tgt Ion: 88 Resp: 247

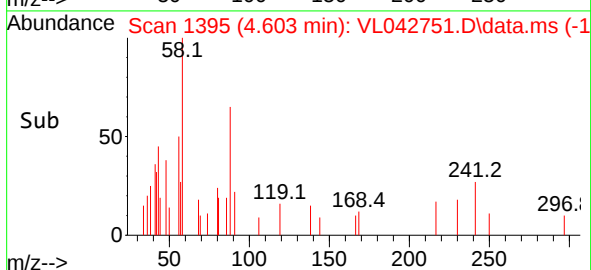
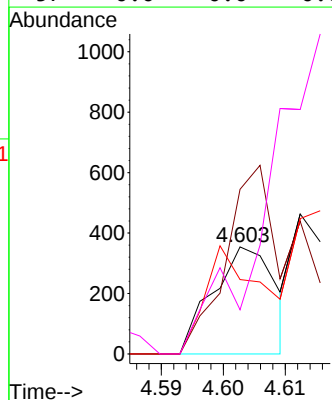
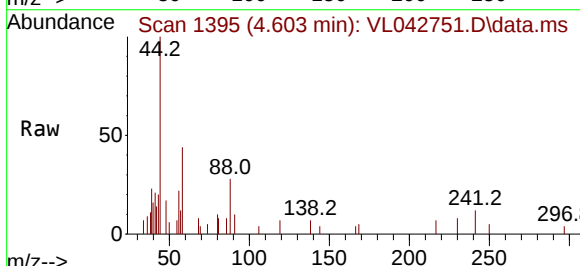
Ion Ratio Lower Upper

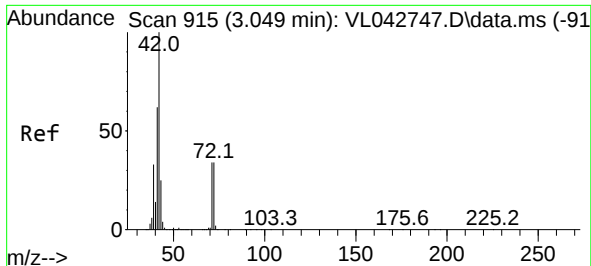
88 100

58 231.6 58.8 88.2#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

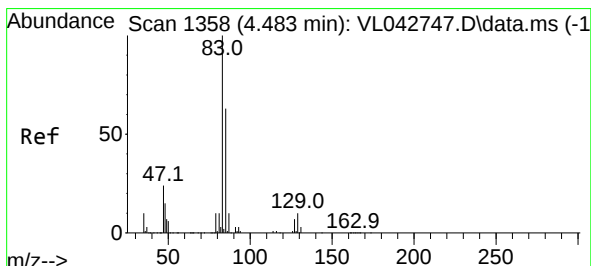
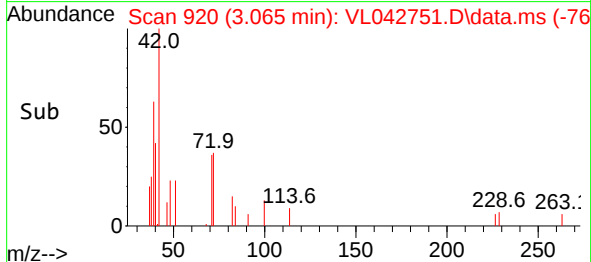
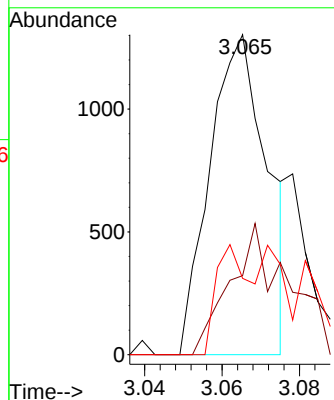
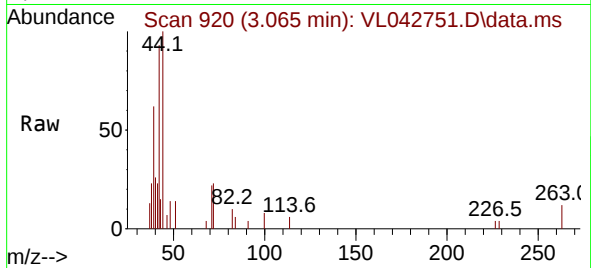




#41
Tetrahydrofuran
Concen: 0.085 ppbv
RT: 3.065 min Scan# 915
Delta R.T. 0.016 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

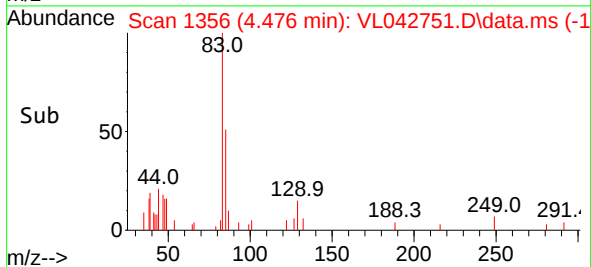
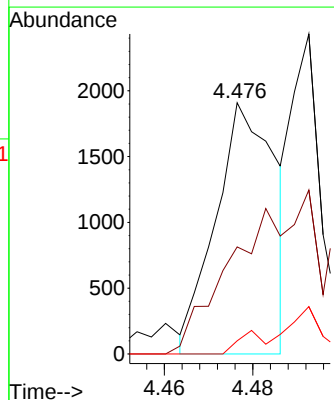
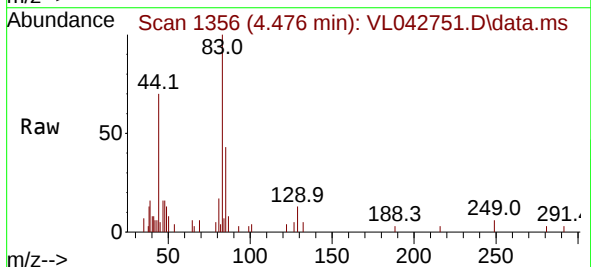
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

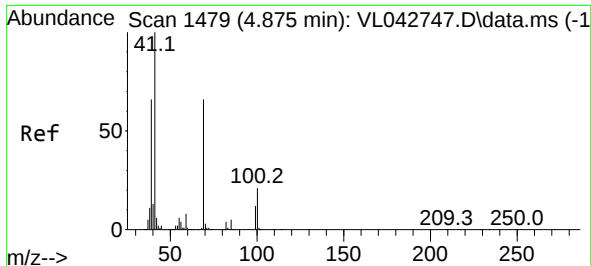
Tgt Ion: 42 Resp: 1337
Ion Ratio Lower Upper
42 100
72 42.1 30.9 46.3
71 47.8 28.6 43.0#



#42
Bromodichloromethane
Concen: 0.054 ppbv
RT: 4.476 min Scan# 1356
Delta R.T. -0.007 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 83 Resp: 1777
Ion Ratio Lower Upper
83 100
85 42.7 50.2 75.4#
127 5.7 5.4 8.2

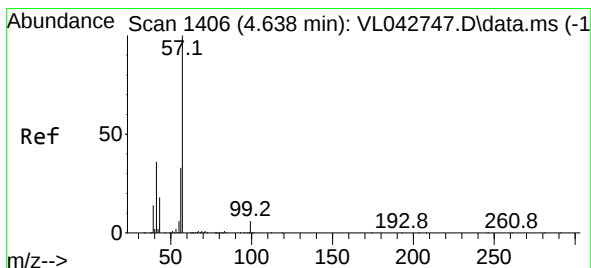
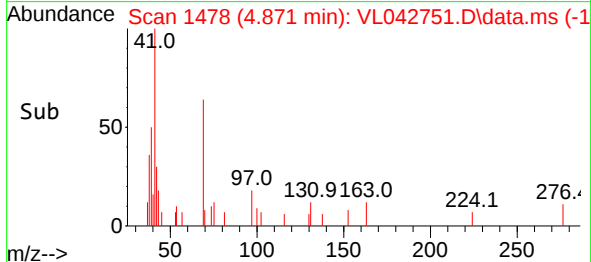
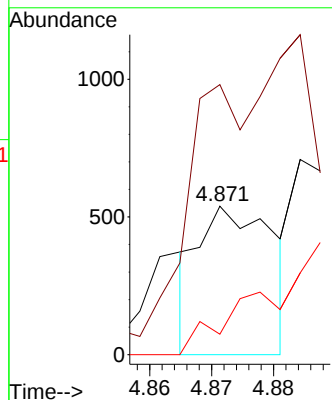
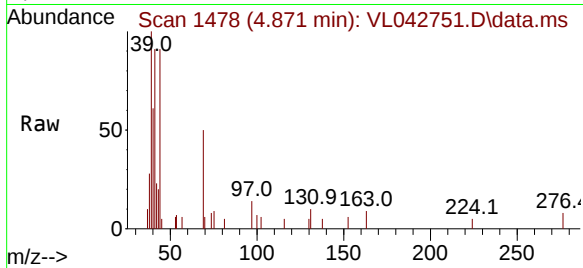




#43
Methyl Methacrylate
Concen: 0.030 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

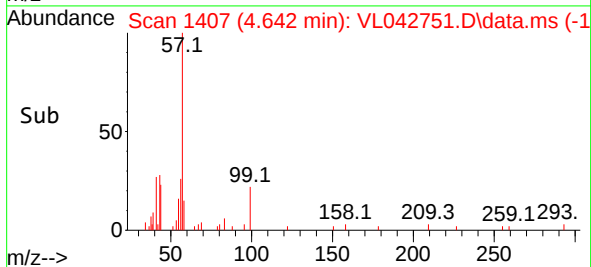
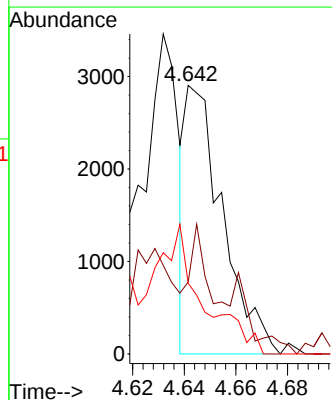
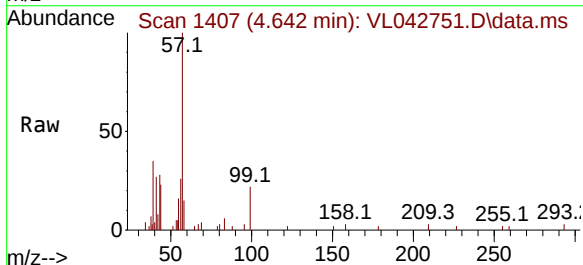
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

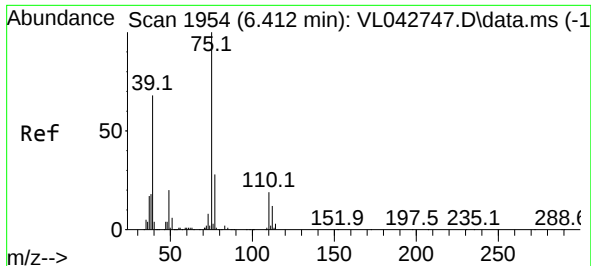
Tgt Ion: 69 Resp: 447
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 0.043 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 57 Resp: 2900
Ion Ratio Lower Upper
57 100
41 107.0 28.3 42.5#
56 78.5 25.8 38.6#

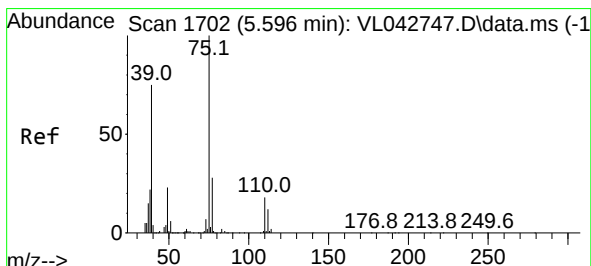
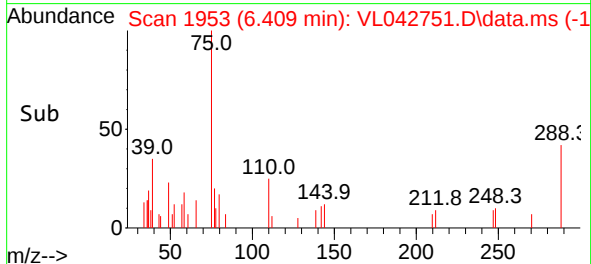
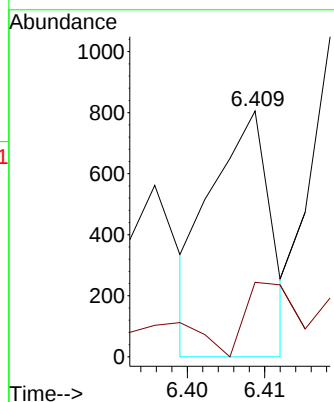
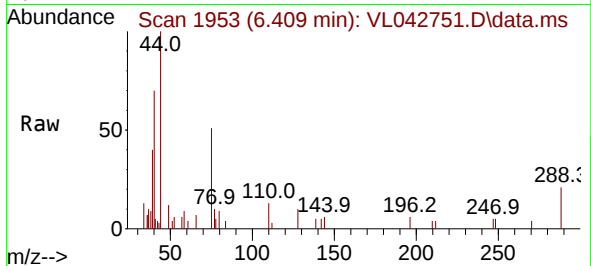




#45
t-1,3-Dichloropropene
Concen: 0.026 ppbv
RT: 6.409 min Scan# 1954
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

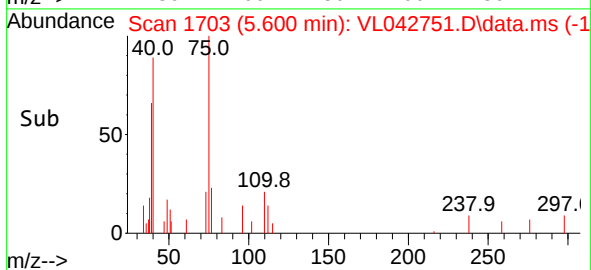
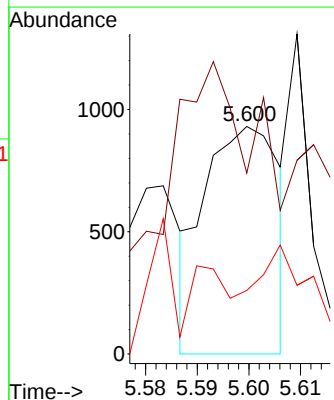
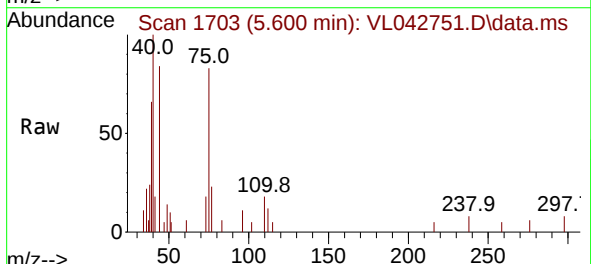
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion: 75 Resp: 432
Ion Ratio Lower Upper
75 100
77 30.3 22.4 33.6



#46
cis-1,3-Dichloropropene
Concen: 0.044 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 75 Resp: 929
Ion Ratio Lower Upper
75 100
39 35.7 60.2 90.2#
77 44.6 22.6 34.0#





#47

1,1,2-Trichloroethane

Concen: 0.040 ppbv

RT: 6.580 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 655

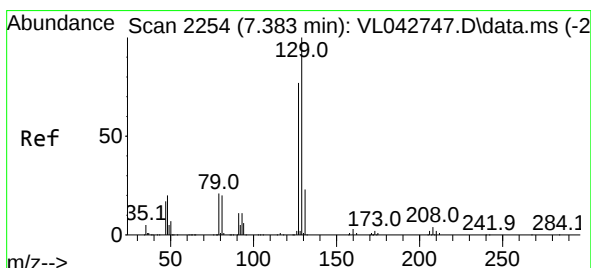
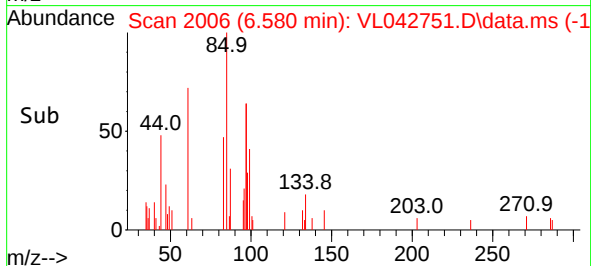
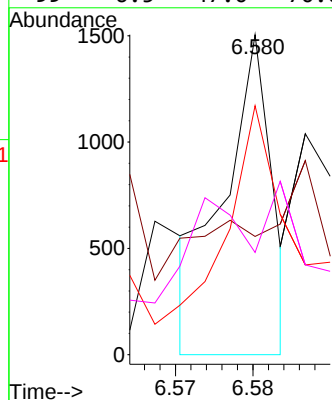
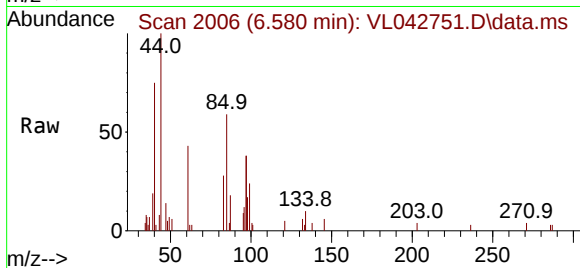
Ion Ratio Lower Upper

97 100

83 0.8 71.1 106.7#

85 94.1 43.0 64.4#

99 6.5 47.0 70.6#



#48

Dibromochloromethane

Concen: 0.096 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.000 min

Lab File: VL042751.D

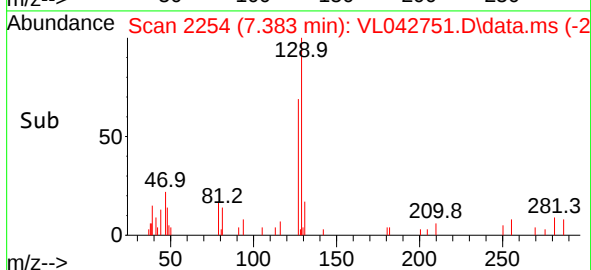
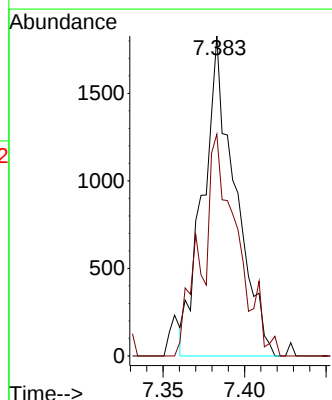
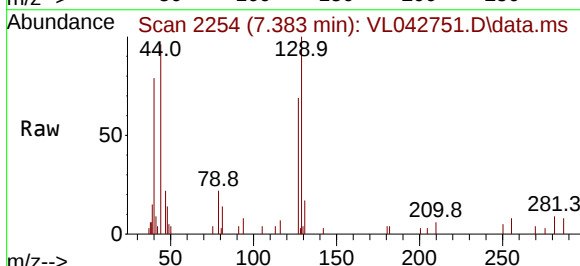
Acq: 23 Jul 2025 11:16

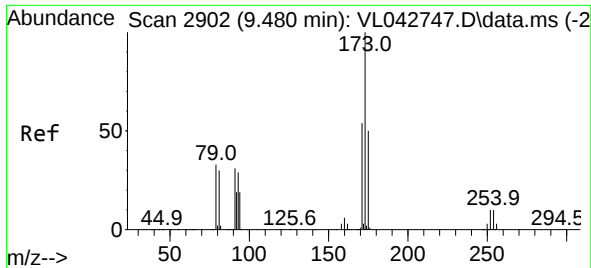
Tgt Ion: 129 Resp: 2502

Ion Ratio Lower Upper

129 100

127 76.4 38.7 116.1

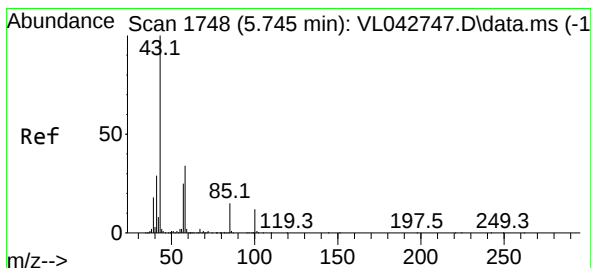
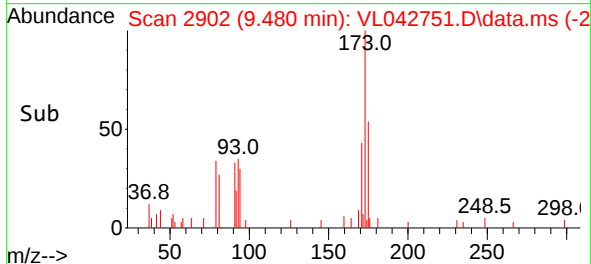
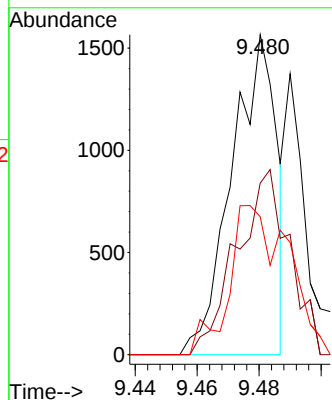
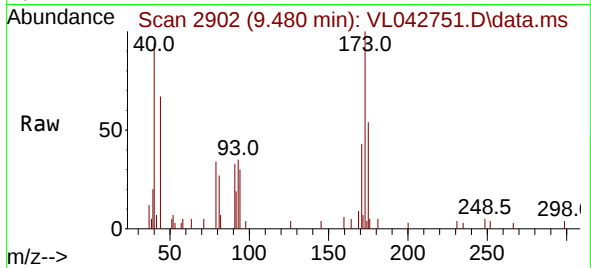




#49
Bromoform
Concen: 0.069 ppbv
RT: 9.480 min Scan# 2902
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

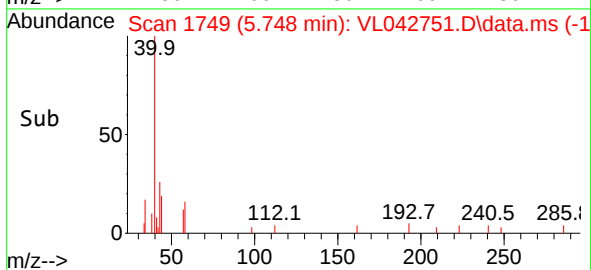
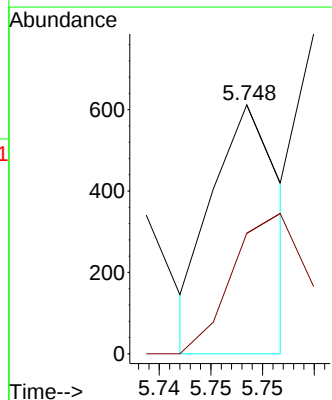
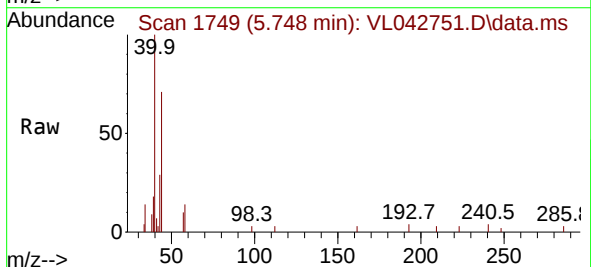
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

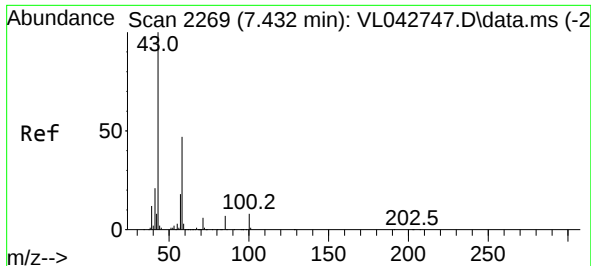
Tgt Ion:173 Resp: 1576
Ion Ratio Lower Upper
173 100
175 67.4 38.4 57.6#
171 61.7 40.9 61.3#



#50
4-Methyl-2-Pentanone
Concen: 0.007 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

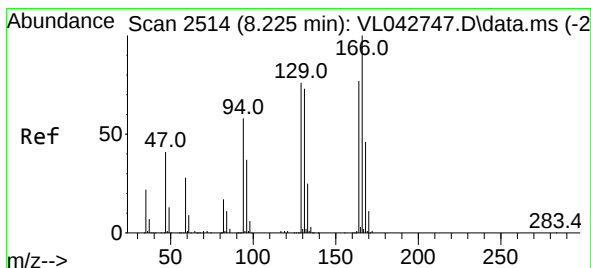
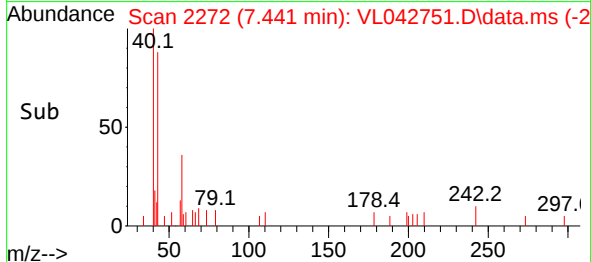
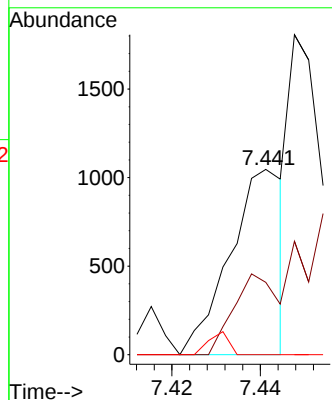
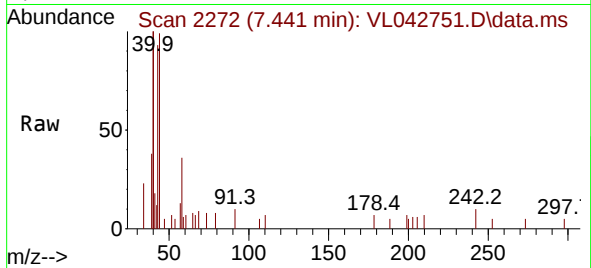




#51
2-Hexanone
Concen: 0.029 ppbv
RT: 7.441 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

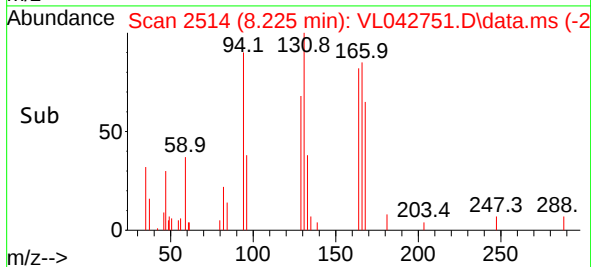
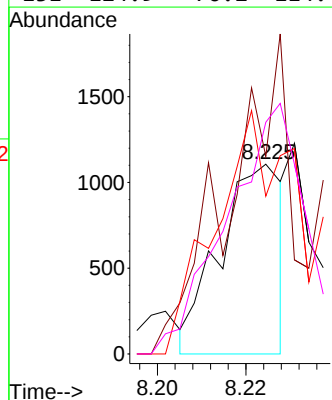
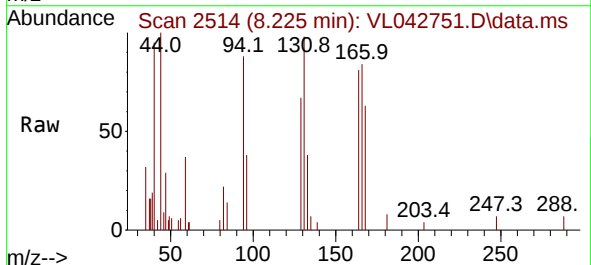
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

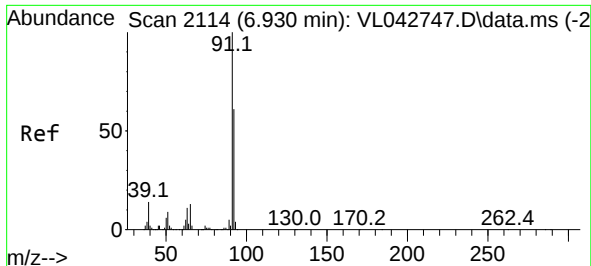
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.062 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 164 Resp: 1077
Ion Ratio Lower Upper
164 100
166 80.4 104.0 156.0#
129 63.6 79.2 118.8#
131 124.9 76.2 114.4#

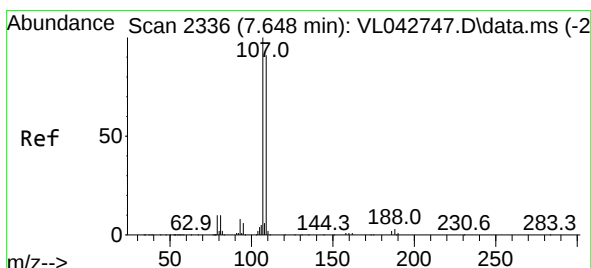
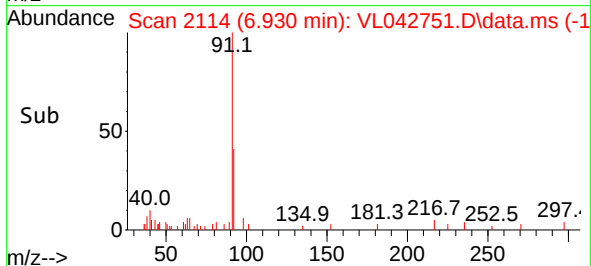
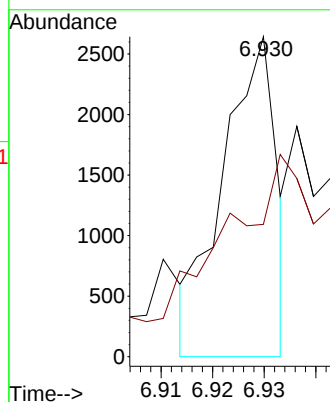
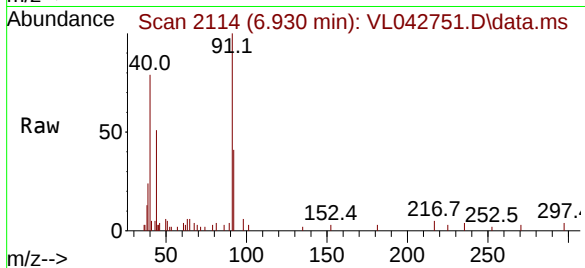




#53
Toluene
Concen: 0.043 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

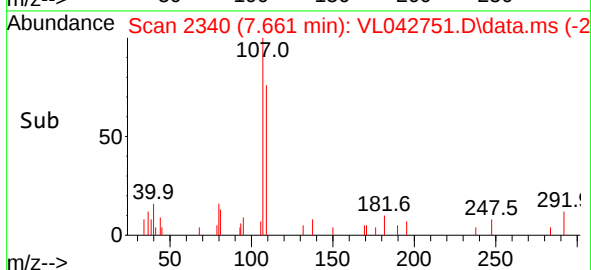
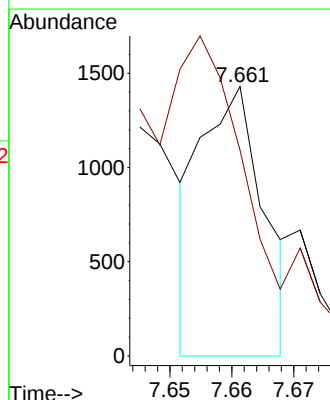
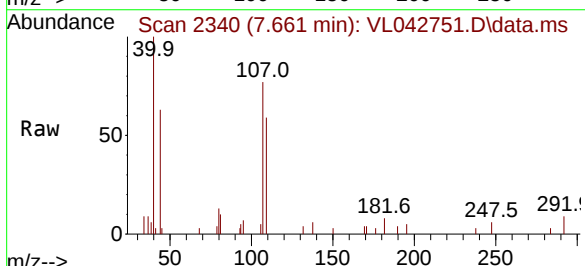
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

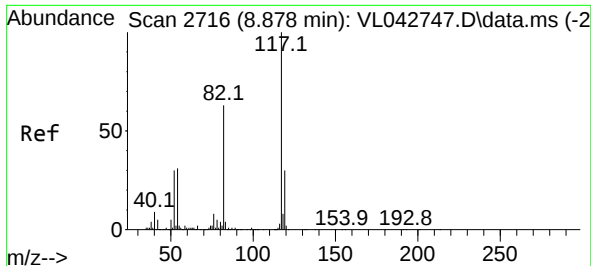
Tgt Ion: 91 Resp: 1914
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#



#54
1,2-Dibromoethane
Concen: 0.044 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 107 Resp: 1015
Ion Ratio Lower Upper
107 100
109 96.9 72.7 109.1

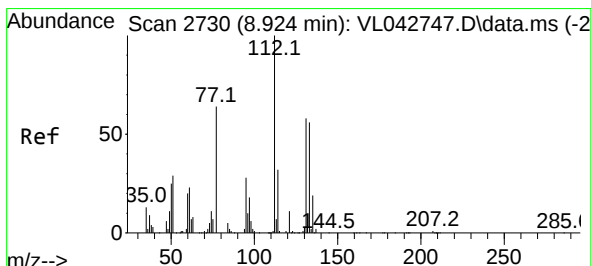
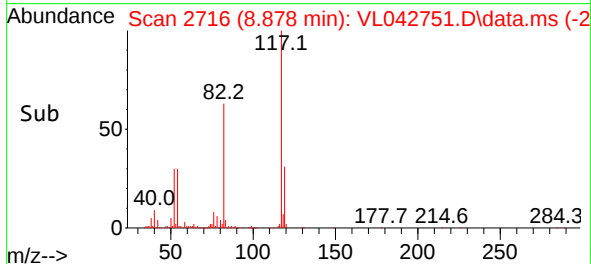
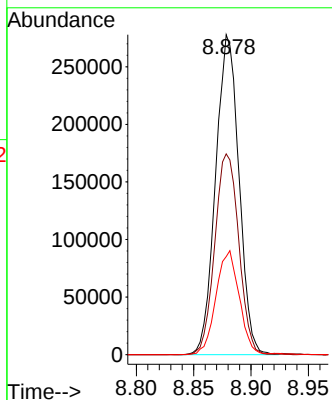
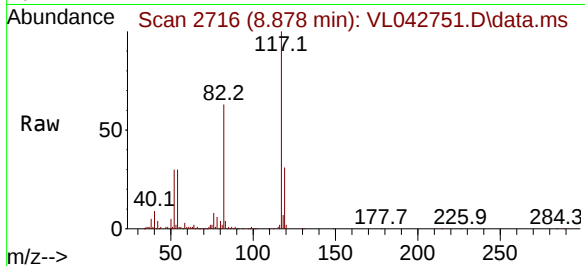




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

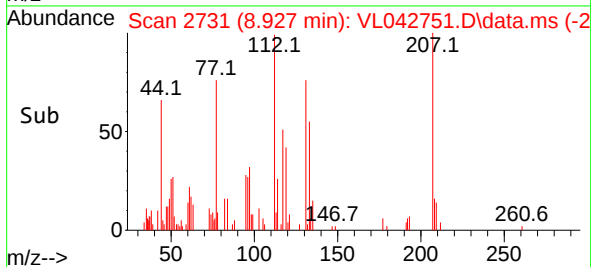
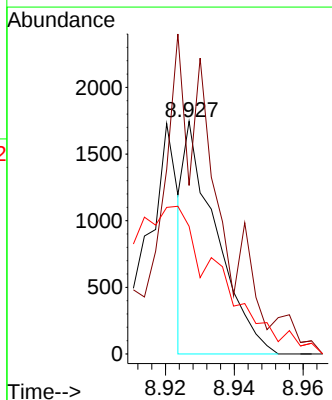
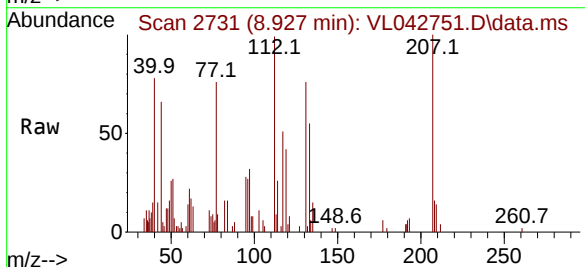
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

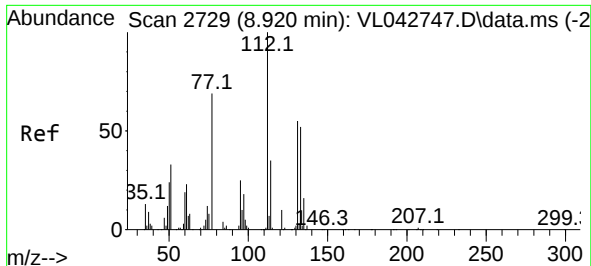
Tgt Ion:117 Resp: 393493
Ion Ratio Lower Upper
117 100
82 64.6 53.3 79.9
119 32.8 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.055 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:131 Resp: 1122
Ion Ratio Lower Upper
131 100
133 250.6 76.8 115.2#
119 0.0 49.7 74.5#





#57

Chlorobenzene

Concen: 0.116 ppbv

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

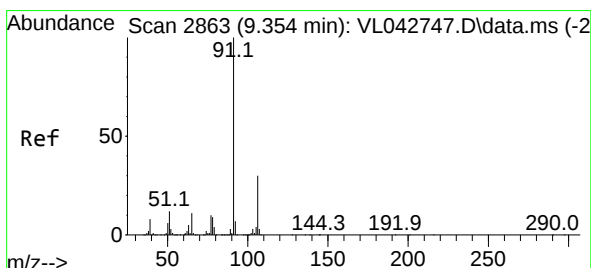
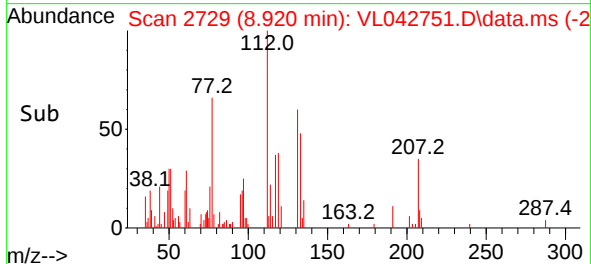
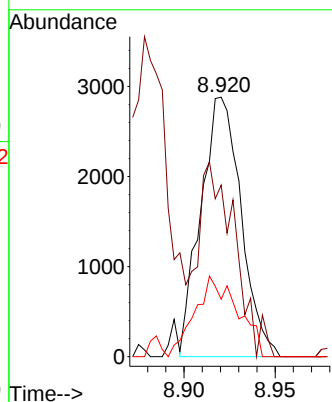
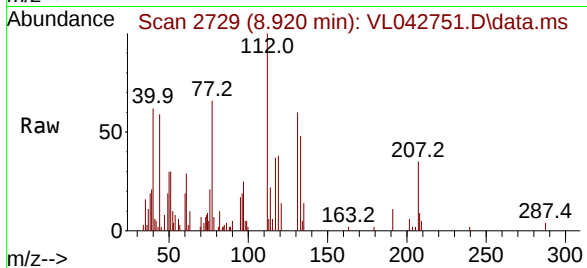
Tgt Ion:112 Resp: 4435

Ion Ratio Lower Upper

112 100

77 66.1 56.4 84.6

114 22.1 31.2 38.2#



#58

Ethyl Benzene

Concen: 0.044 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. 0.175 min

Lab File: VL042751.D

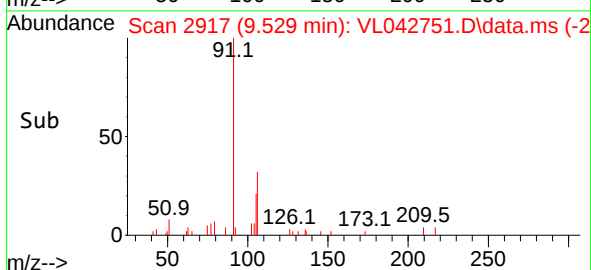
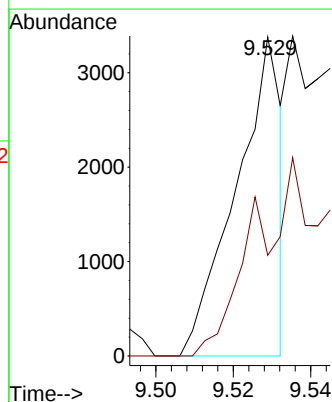
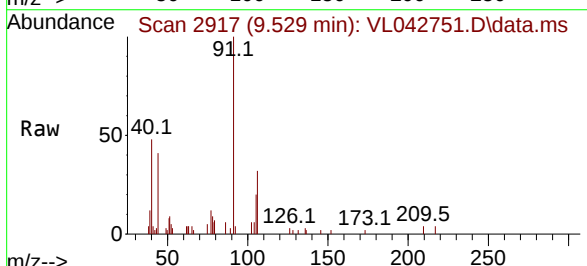
Acq: 23 Jul 2025 11:16

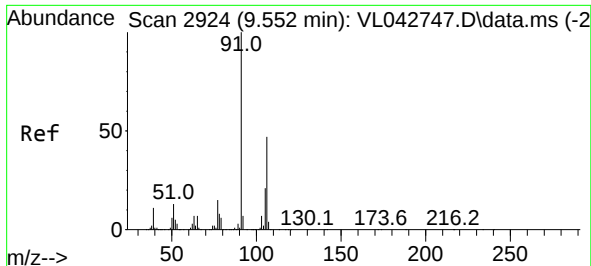
Tgt Ion: 91 Resp: 2747

Ion Ratio Lower Upper

91 100

106 31.5 23.8 35.6





#59

m/p-Xylene

Concen: 0.083 ppbv

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

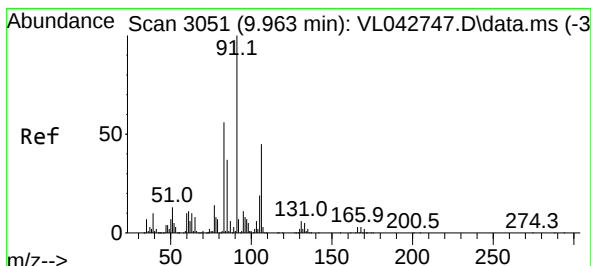
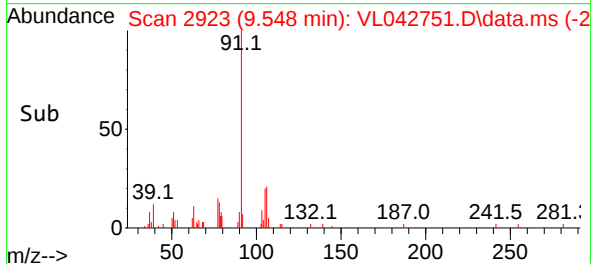
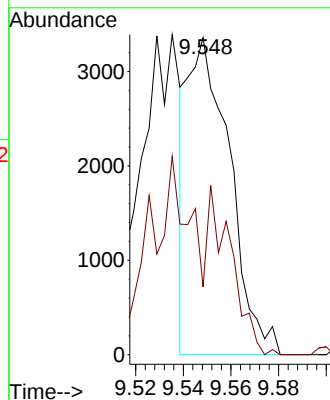
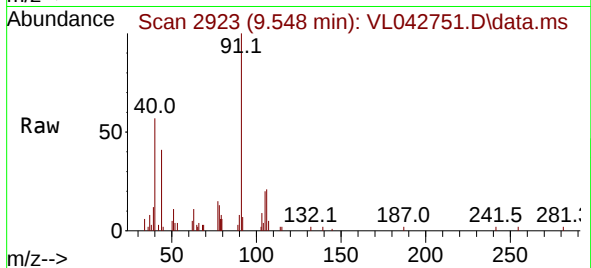
VSTDIC0.1

Tgt Ion: 91 Resp: 4143

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.083 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042751.D

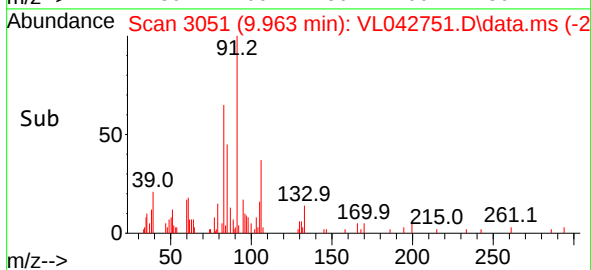
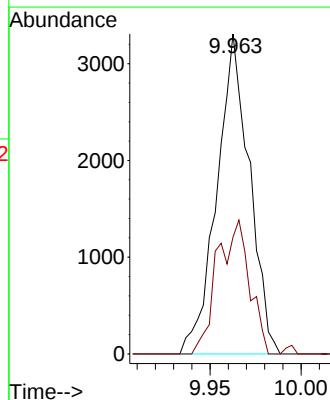
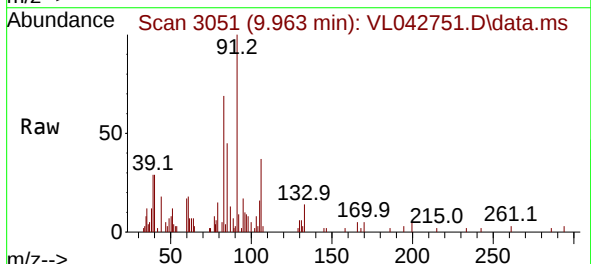
Acq: 23 Jul 2025 11:16

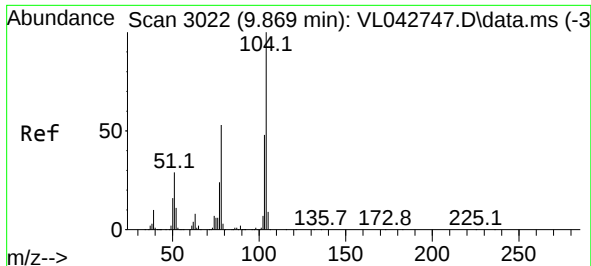
Tgt Ion: 91 Resp: 4107

Ion Ratio Lower Upper

91 100

106 42.3 22.0 66.0

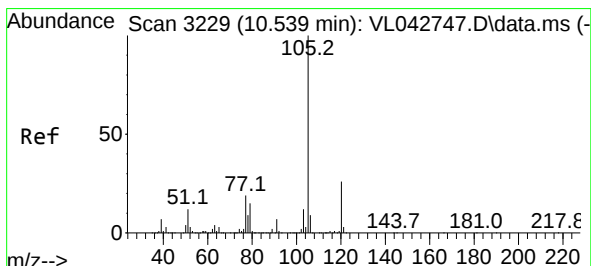
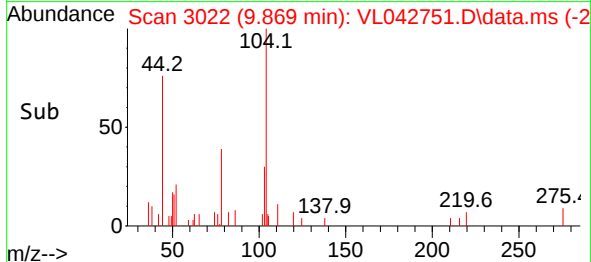
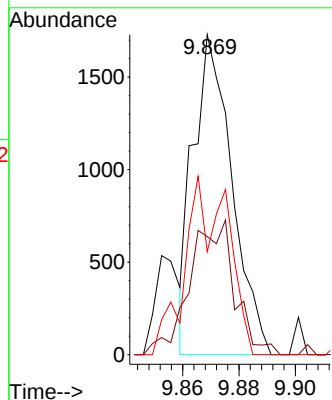
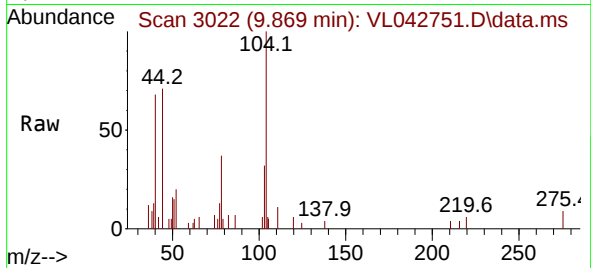




#61
Styrene
Concen: 0.079 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

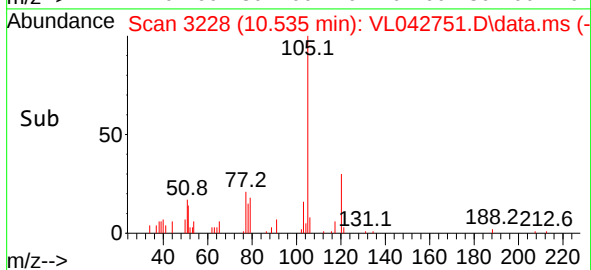
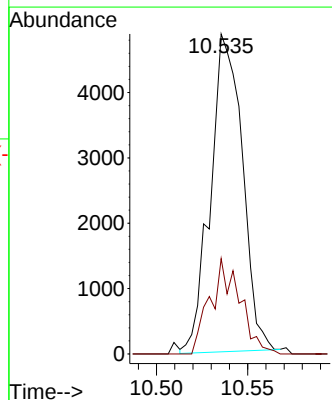
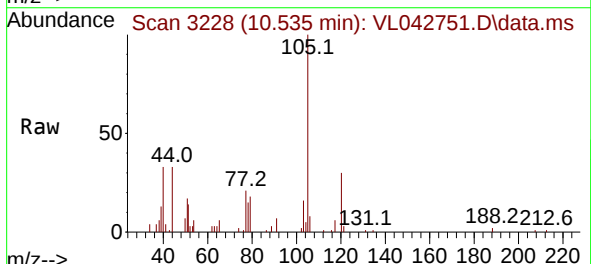
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

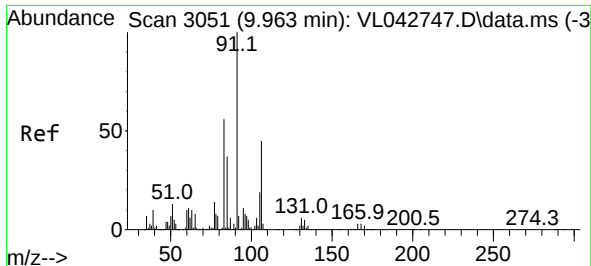
Tgt Ion:104 Resp: 1655
Ion Ratio Lower Upper
104 100
78 49.1 41.5 62.3
103 61.1 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.081 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:105 Resp: 5918
Ion Ratio Lower Upper
105 100
120 28.2 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.066 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

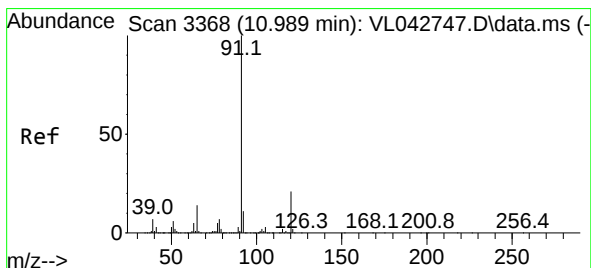
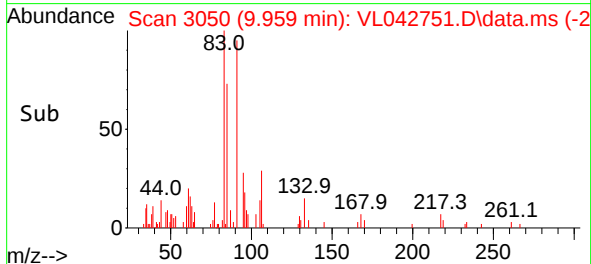
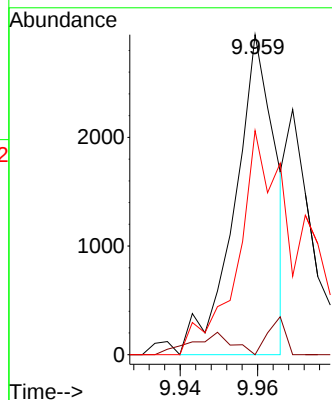
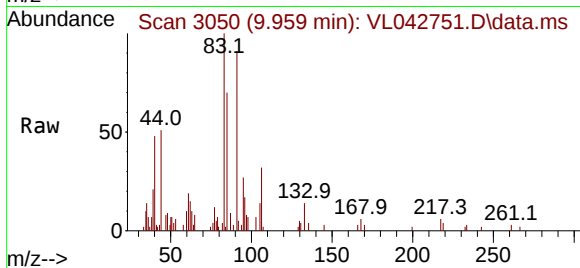
Tgt Ion: 83 Resp: 2147

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 105.7 32.6 97.7#



#64

n-propylbenzene

Concen: 0.047 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. -0.007 min

Lab File: VL042751.D

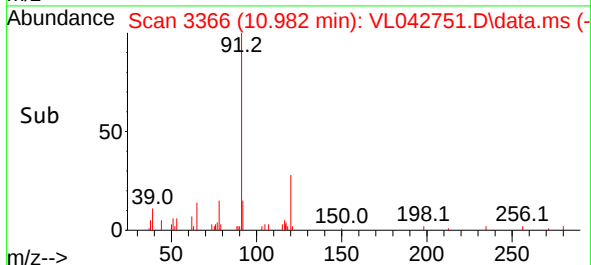
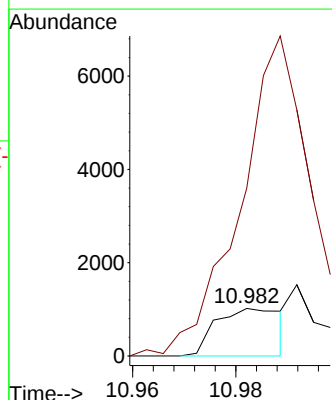
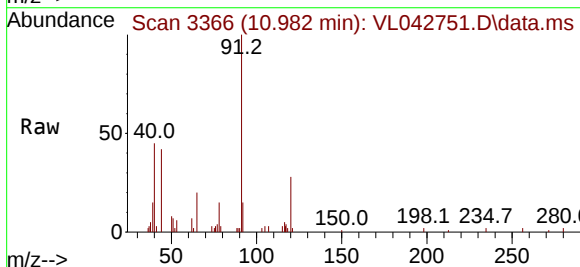
Acq: 23 Jul 2025 11:16

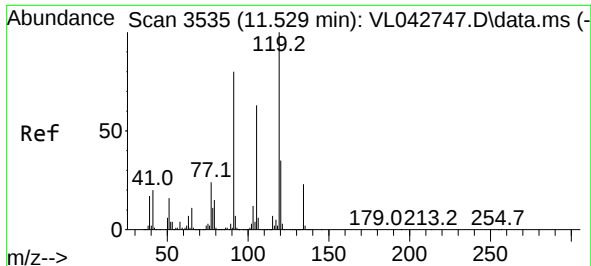
Tgt Ion: 120 Resp: 896

Ion Ratio Lower Upper

120 100

91 514.1 372.7 559.1

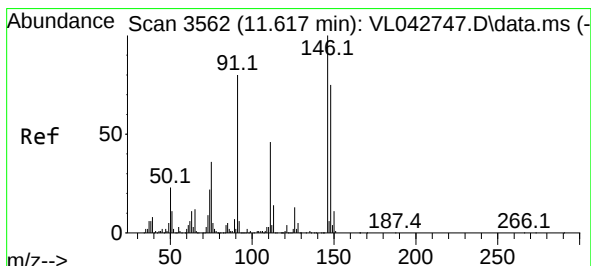
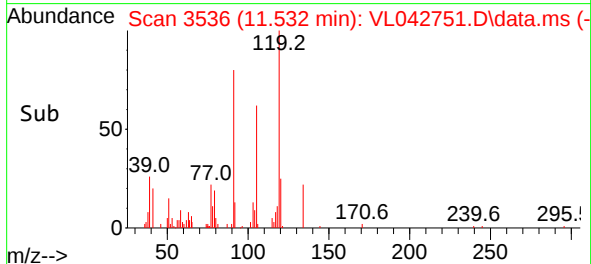
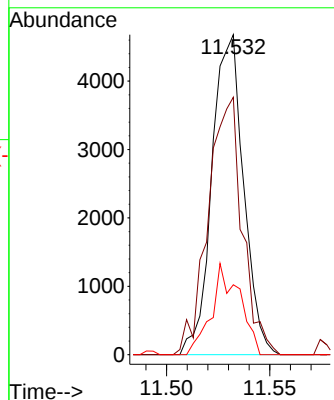
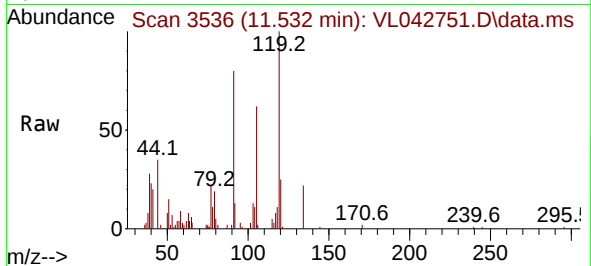




#65
tert-Butylbenzene
Concen: 0.077 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

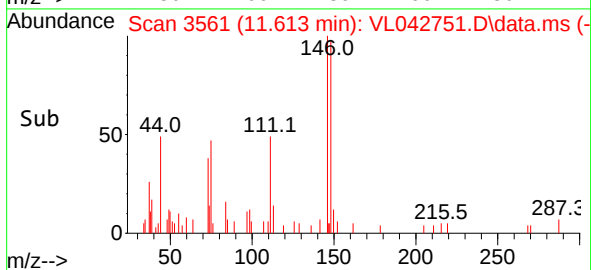
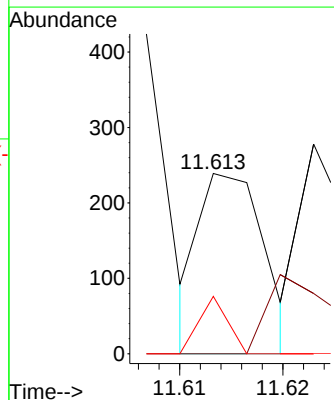
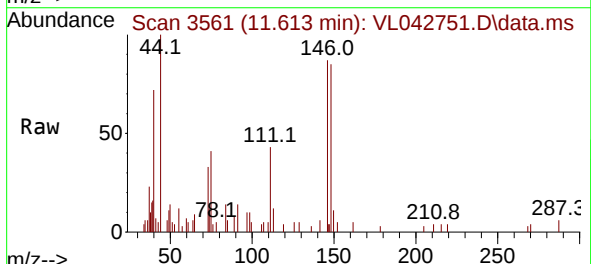
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

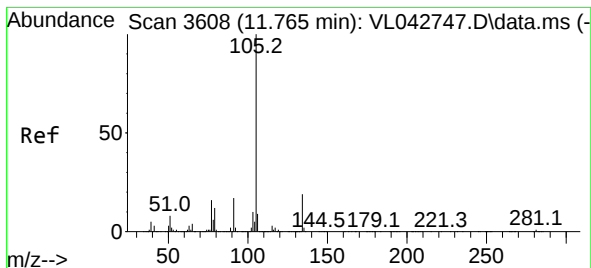
Tgt Ion:119 Resp: 4989
Ion Ratio Lower Upper
119 100
91 86.9 64.0 96.0
134 25.4 17.3 25.9



#66
Benzyl Chloride
Concen: 0.019 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 91 Resp: 104
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 14.4 5.2 7.8#

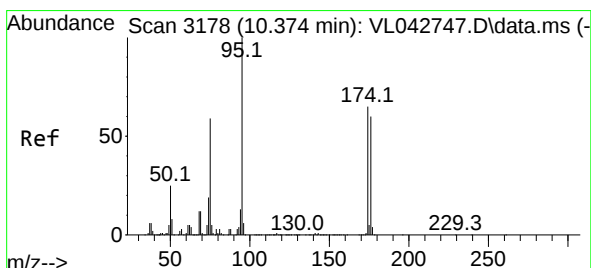
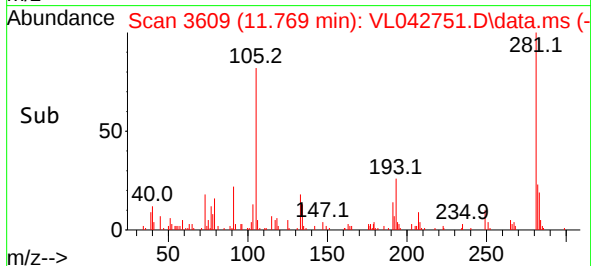
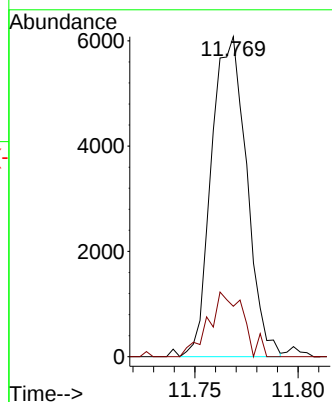
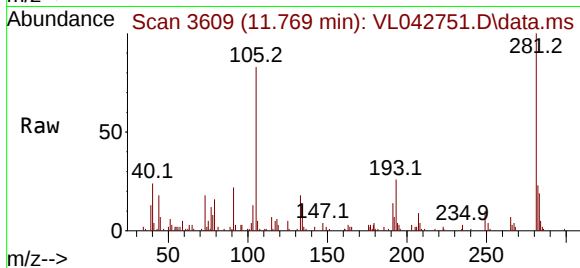




#67
 sec-Butylbenzene
 Concen: 0.078 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.003 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

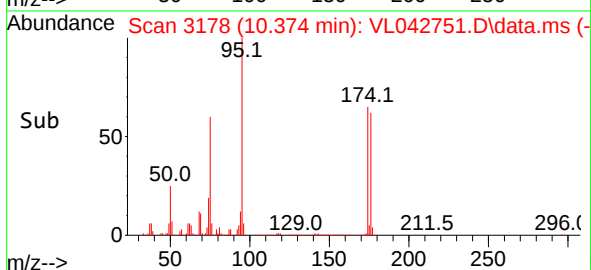
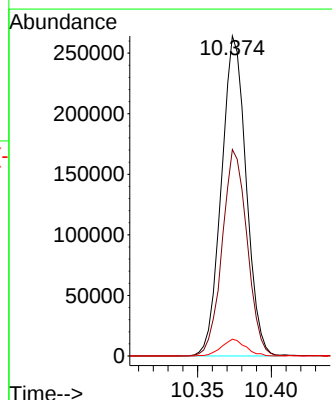
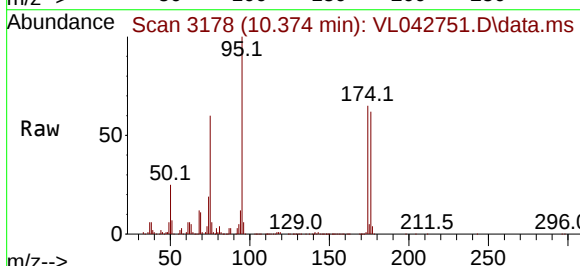
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

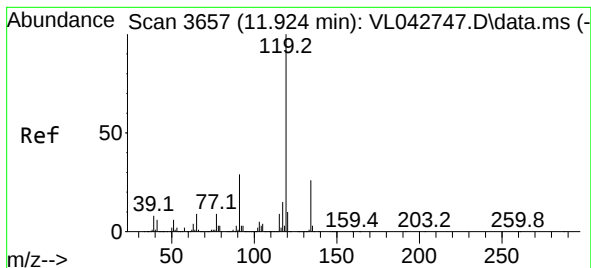
Tgt Ion:105 Resp: 7187
 Ion Ratio Lower Upper
 105 100
 134 20.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.877 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.000 min
 Lab File: VL042751.D
 Acq: 23 Jul 2025 11:16

Tgt Ion: 95 Resp: 307777
 Ion Ratio Lower Upper
 95 100
 174 65.1 53.8 80.6
 175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.067 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

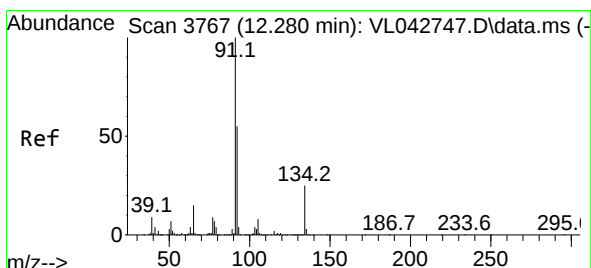
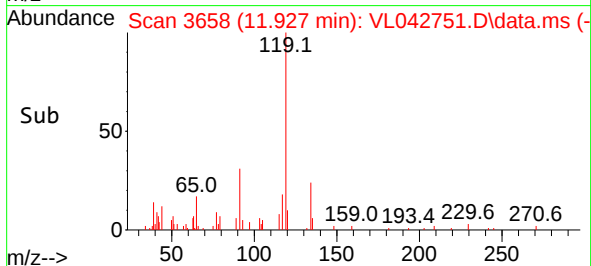
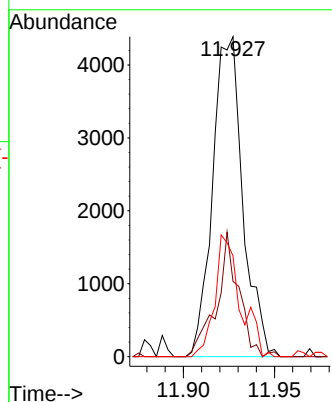
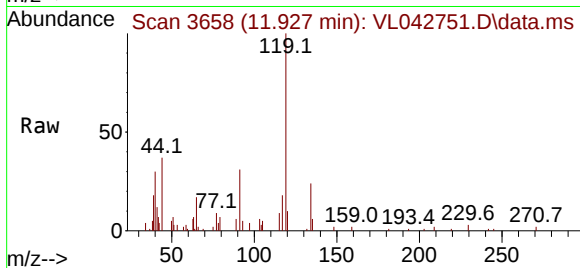
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:	119	Resp:	5054
Ion	Ratio	Lower	Upper
119	100		
134	28.6	20.6	31.0
91	32.0	23.2	34.8



#70

n-Butylbenzene

Concen: 0.062 ppbv

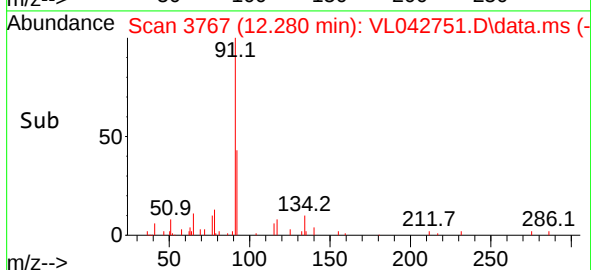
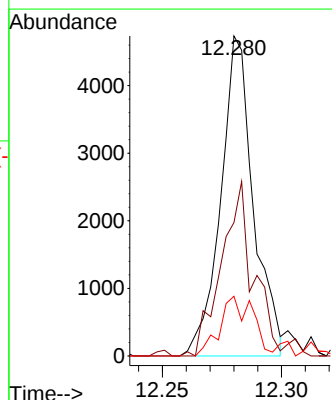
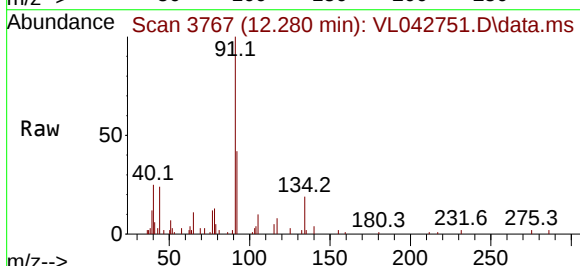
RT: 12.280 min Scan# 3767

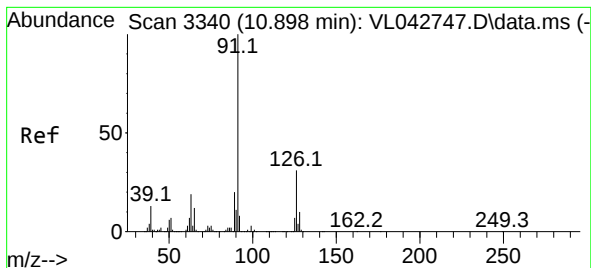
Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Tgt Ion:	91	Resp:	4500
Ion	Ratio	Lower	Upper
91	100		
92	55.9	43.4	65.2
134	20.5	19.6	29.4

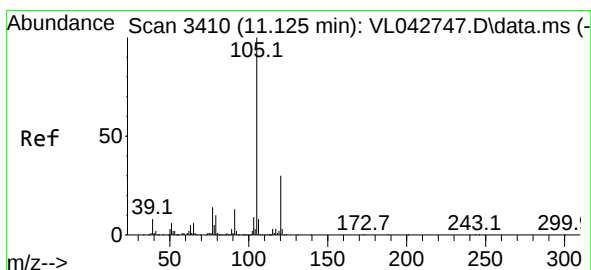
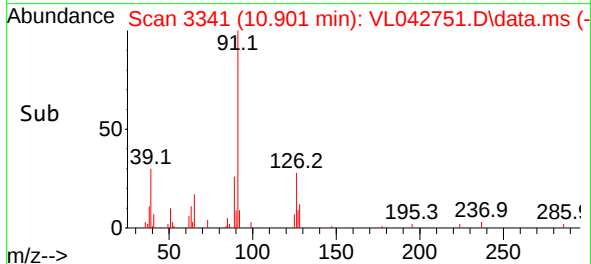
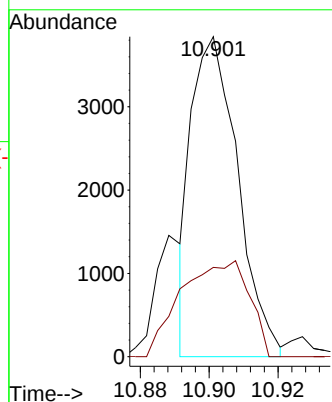
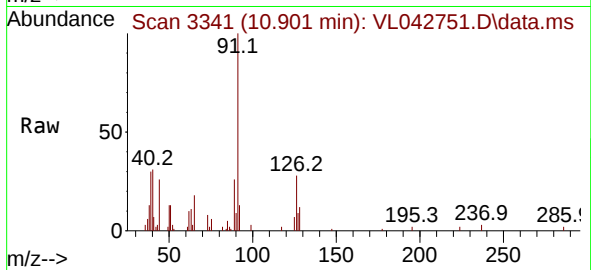




#71
2-Chlorotoluene
Concen: 0.064 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

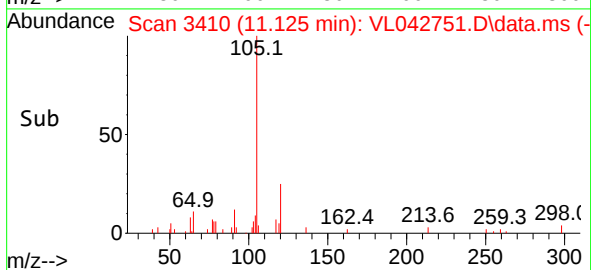
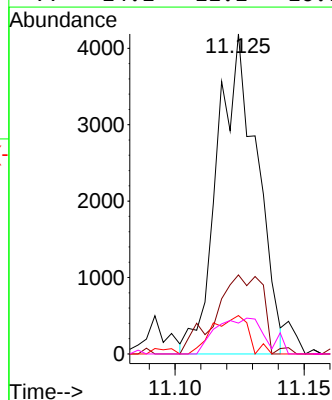
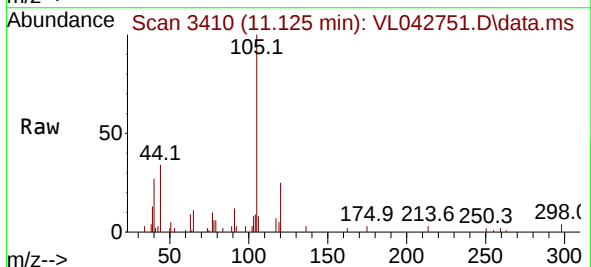
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

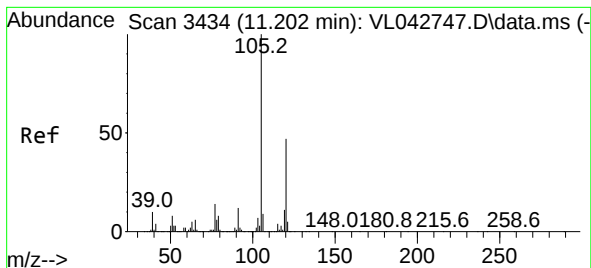
Tgt Ion: 91 Resp: 3597
Ion Ratio Lower Upper
91 100
126 43.8 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.075 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 105 Resp: 4474
Ion Ratio Lower Upper
105 100
120 30.0 24.4 36.6
91 11.7 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.073 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

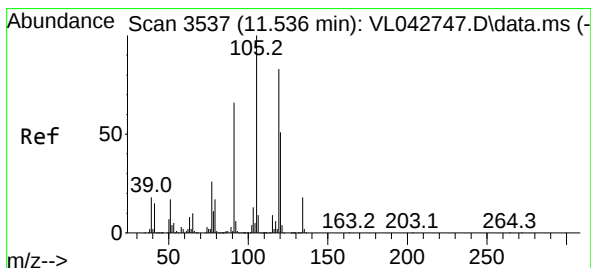
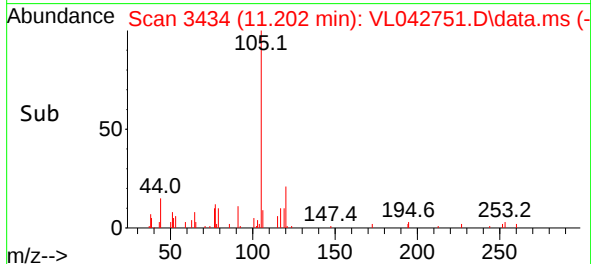
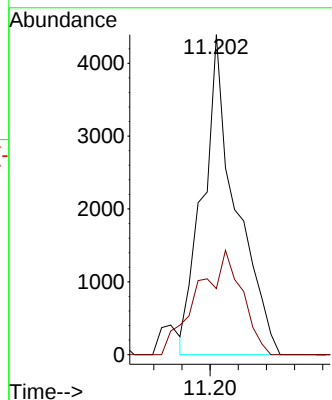
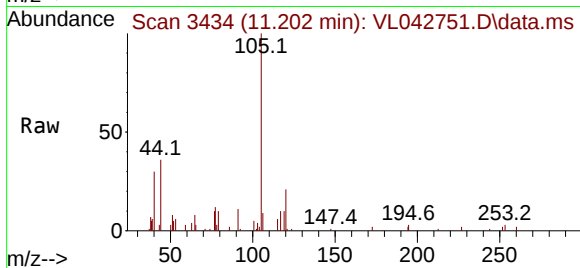
VSTDIC0.1

Tgt Ion:105 Resp: 3563

Ion Ratio Lower Upper

105 100

120 21.8 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.064 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Tgt Ion:105 Resp: 3383

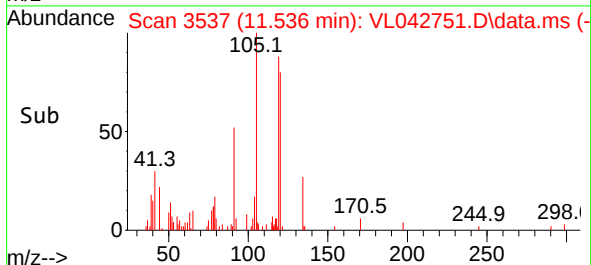
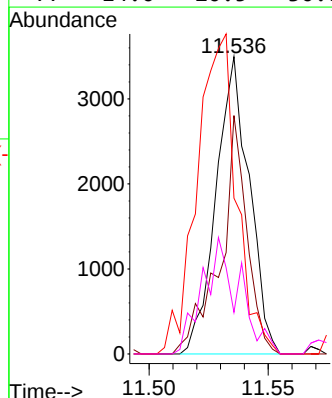
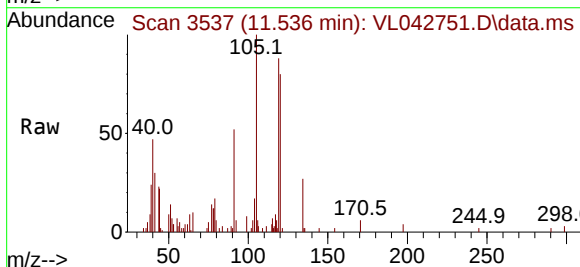
Ion Ratio Lower Upper

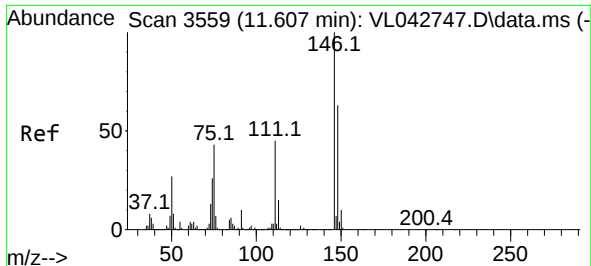
105 100

120 80.2 40.8 61.2#

91 52.4 53.0 79.4#

77 14.0 20.5 30.7#

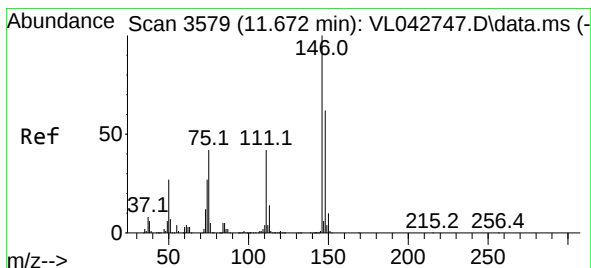
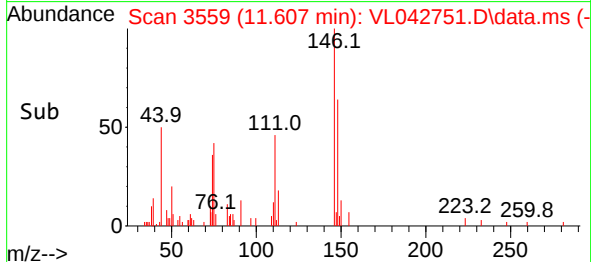
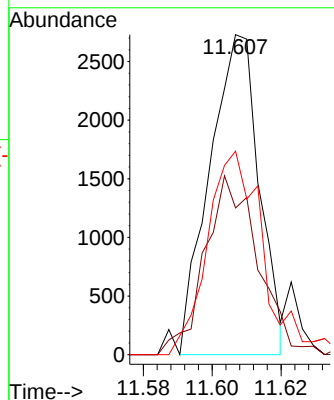
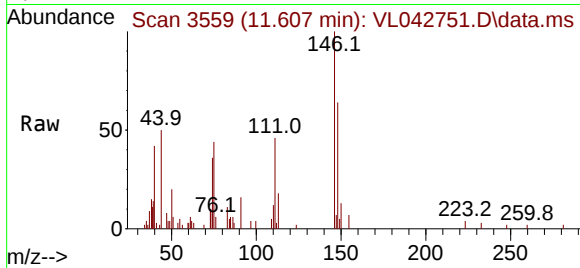




#75
1,3-Dichlorobenzene
Concen: 0.073 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

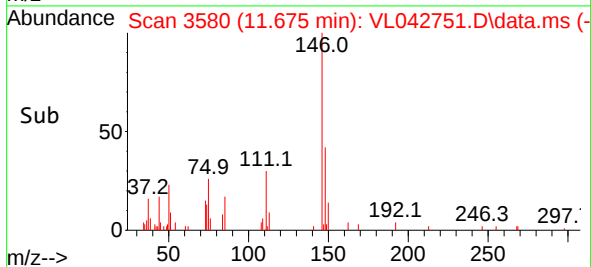
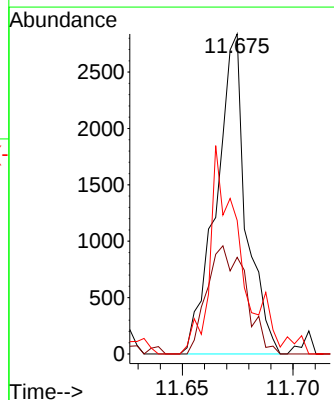
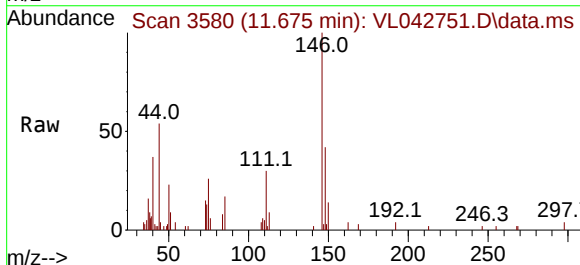
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

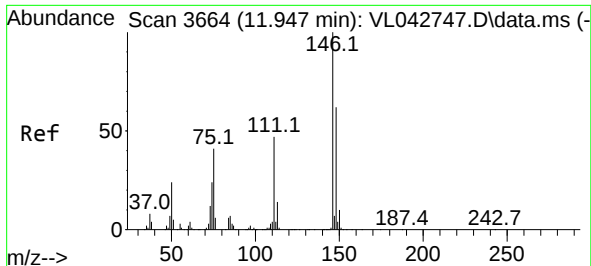
Tgt Ion:146 Resp: 2743
Ion Ratio Lower Upper
146 100
111 59.6 22.7 68.0
148 71.1 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 0.073 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:146 Resp: 2682
Ion Ratio Lower Upper
146 100
111 43.6 21.4 64.2
148 67.0 32.1 96.3

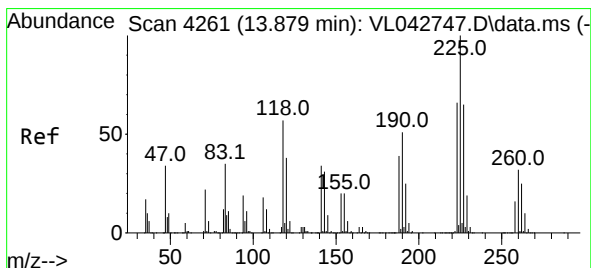
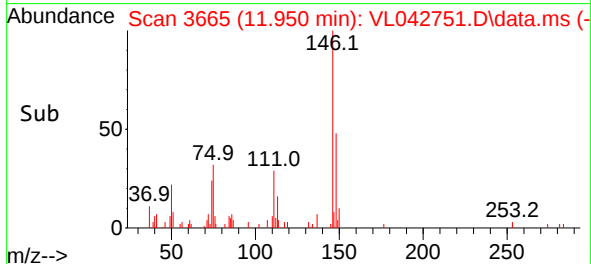
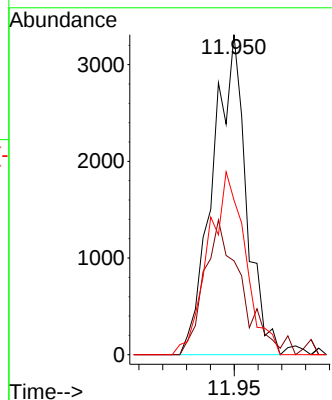
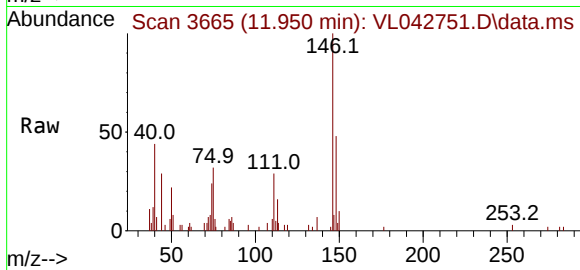




#77
1,2-Dichlorobenzene
Concen: 0.089 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

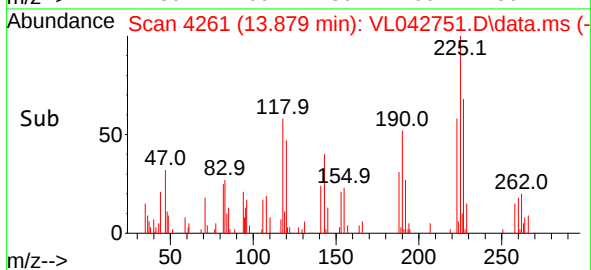
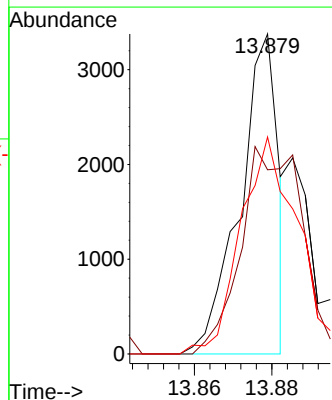
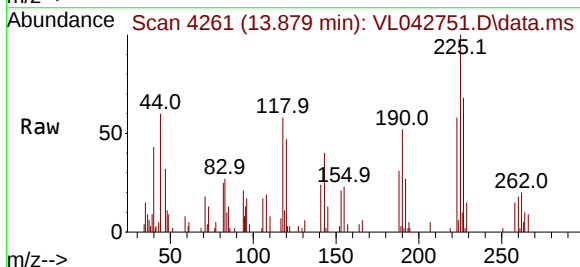
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

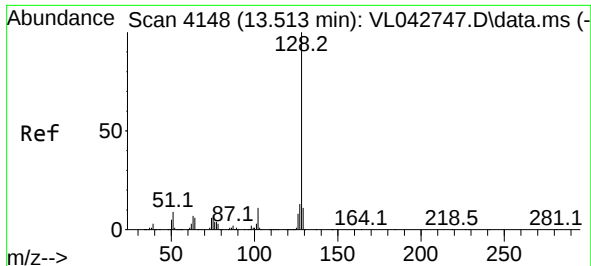
Tgt Ion:	146	Resp:	3250
Ion Ratio	Lower	Upper	
146	100		
111	48.5	23.7	71.1
148	62.9	32.6	97.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.070 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:	225	Resp:	2330
Ion Ratio	Lower	Upper	
225	100		
223	102.9	50.7	76.1#
227	99.2	50.5	75.7#

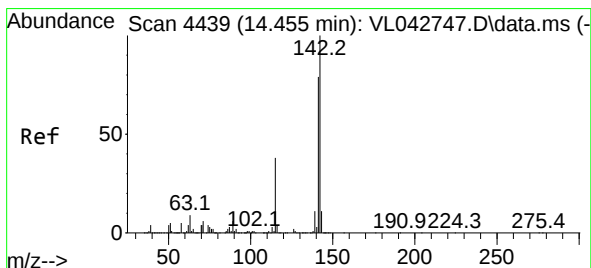
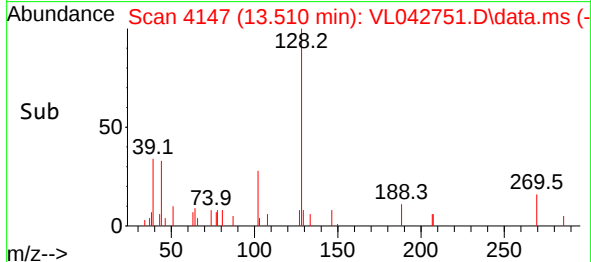
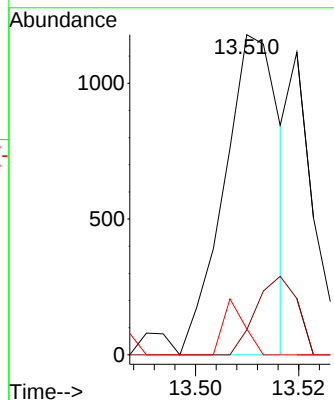
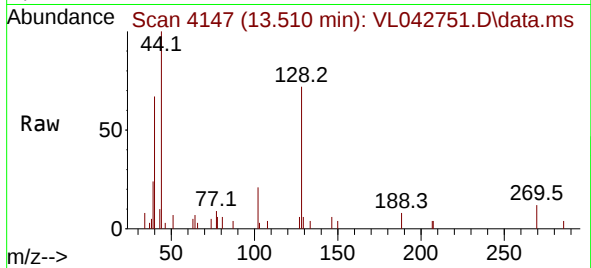




#79
Naphthalene
Concen: 0.448 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

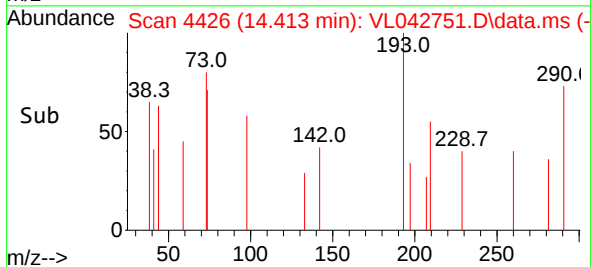
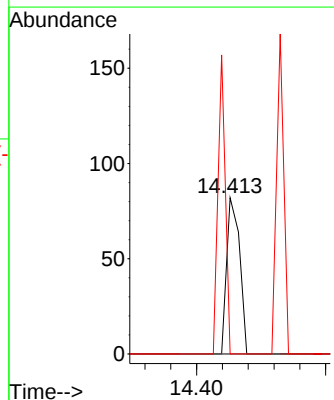
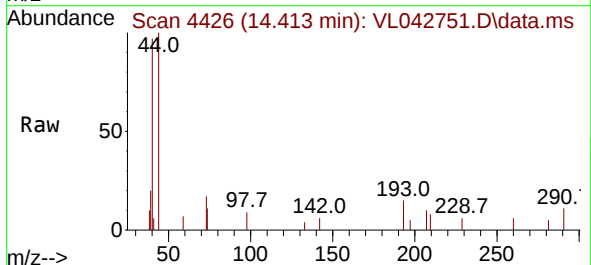
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

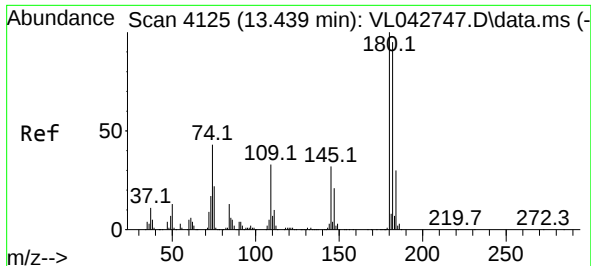
Tgt Ion:128 Resp: 872
Ion Ratio Lower Upper
128 100
127 7.8 10.5 15.7#
129 8.1 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.127 ppbv
RT: 14.413 min Scan# 4426
Delta R.T. -0.042 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:142 Resp: 28
Ion Ratio Lower Upper
142 100
141 0.0 65.8 98.8#
115 117.9 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.450 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042751.D

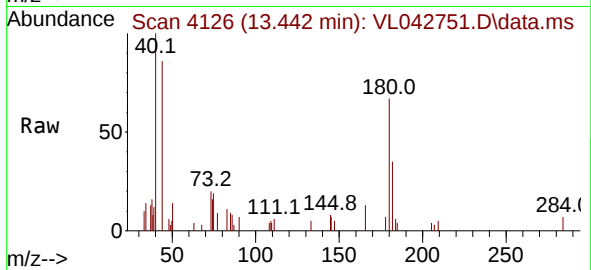
Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 564

Ion Ratio Lower Upper

180 100

182 13.1 76.2 114.2#

184 32.6 24.8 37.2

